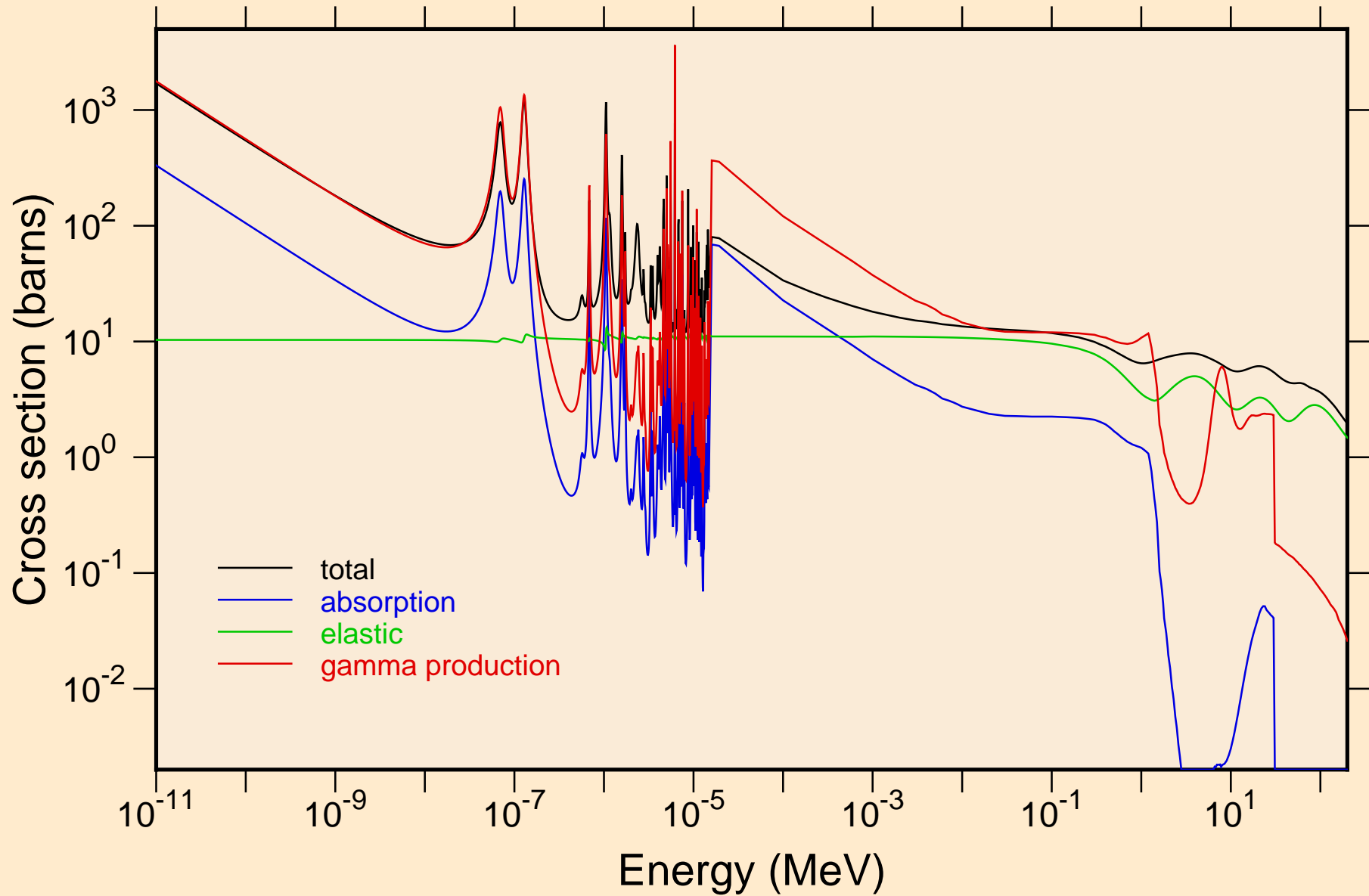
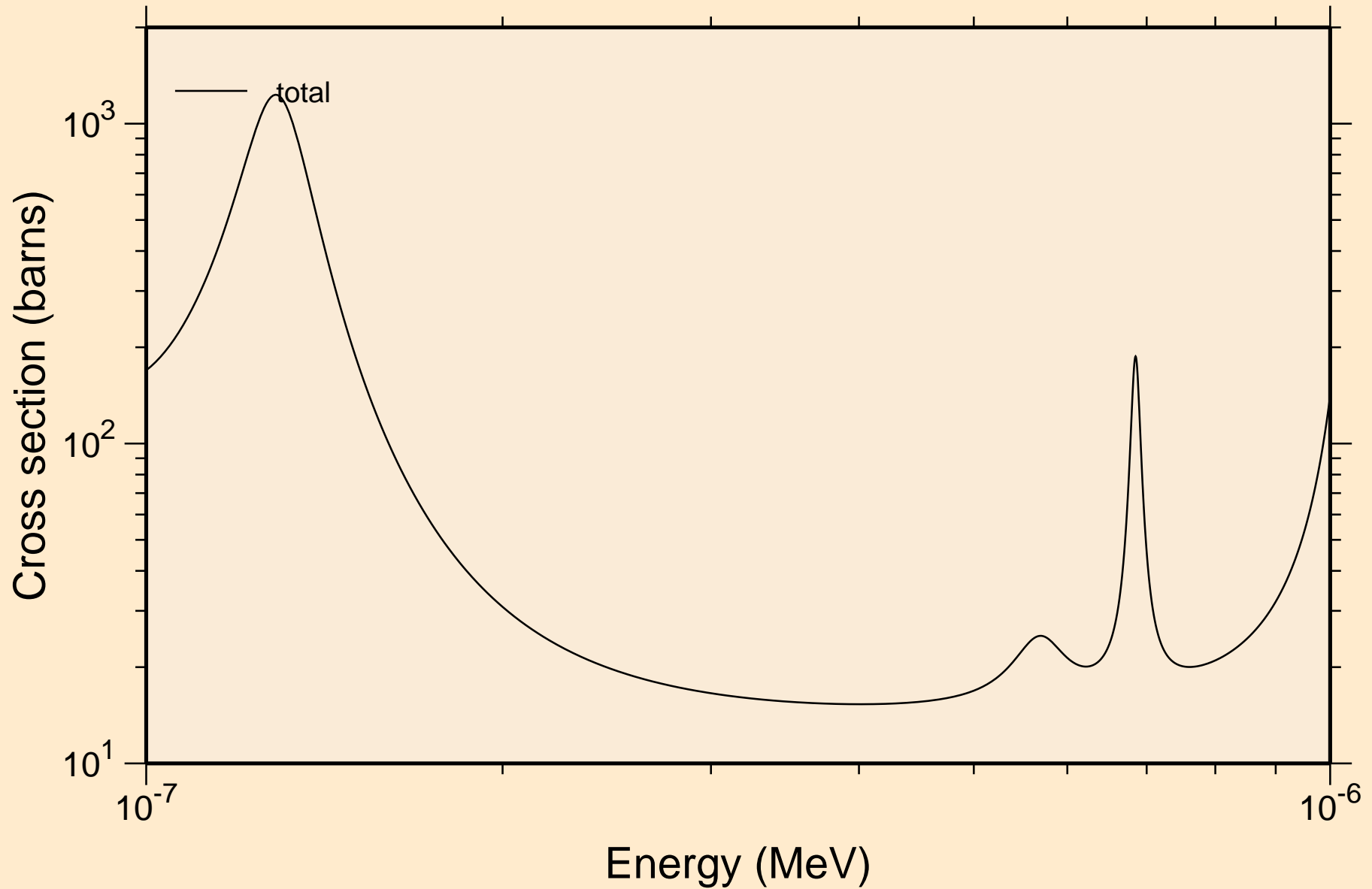


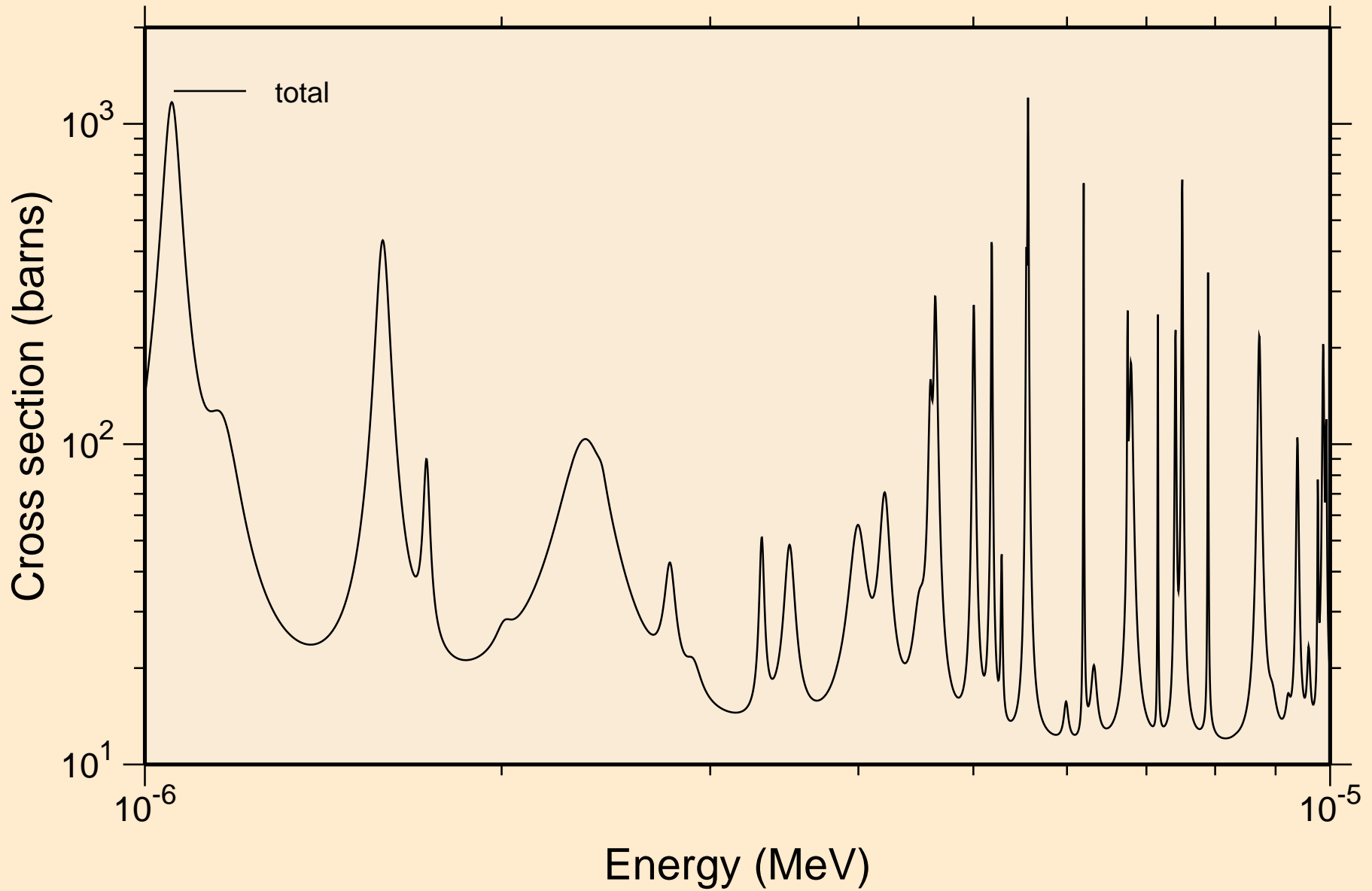
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Principal cross sections



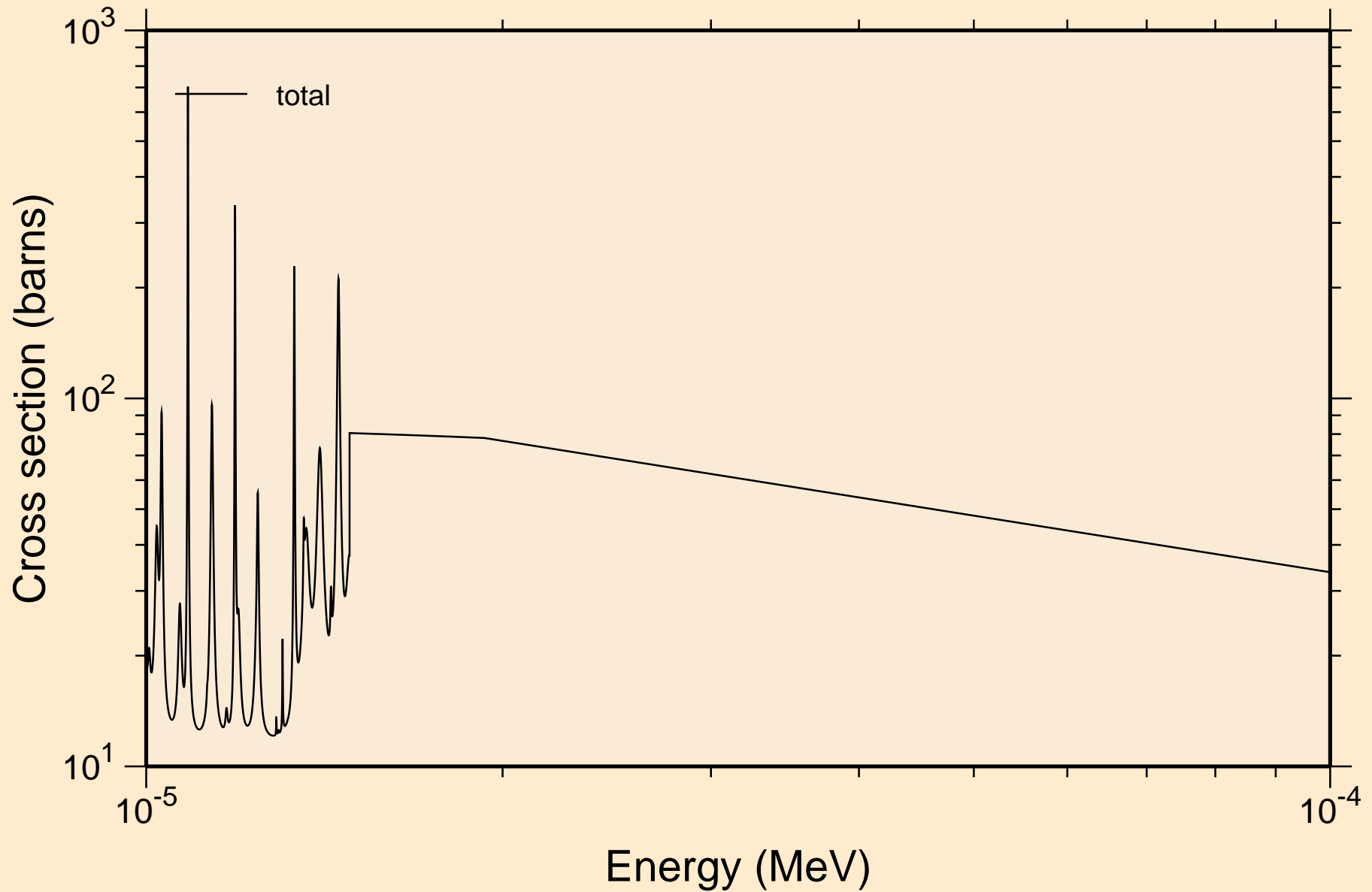
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



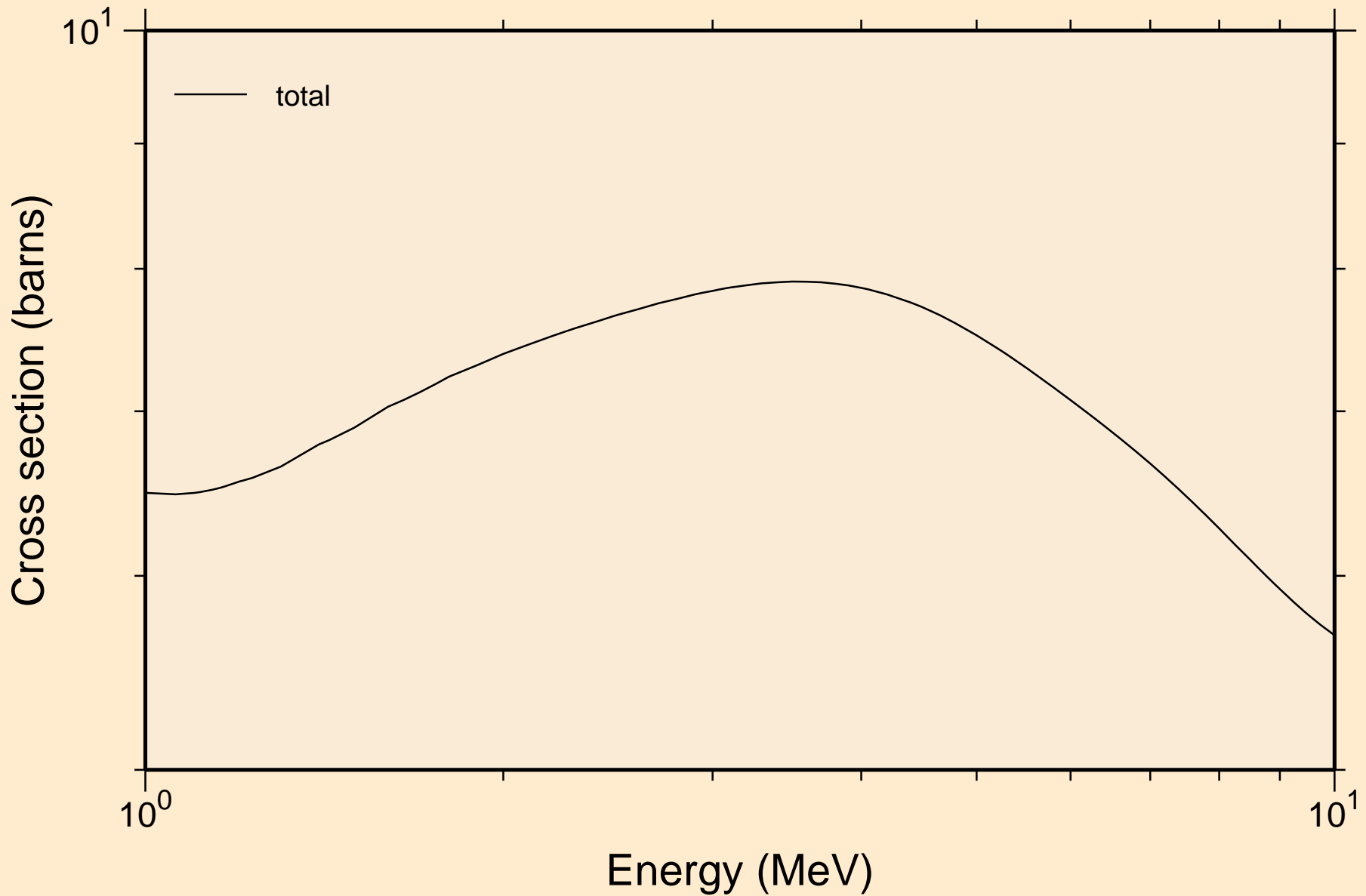
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



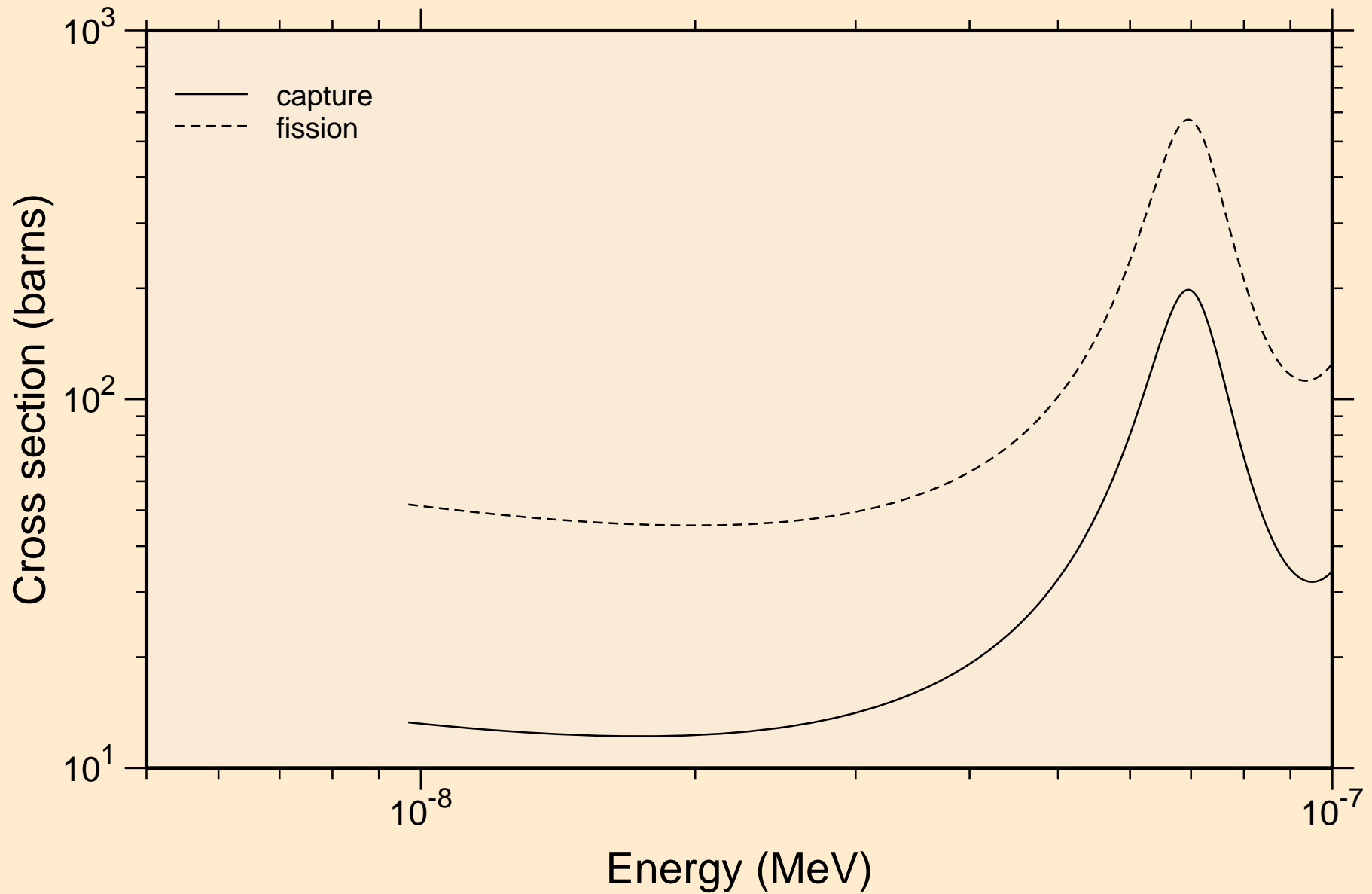
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



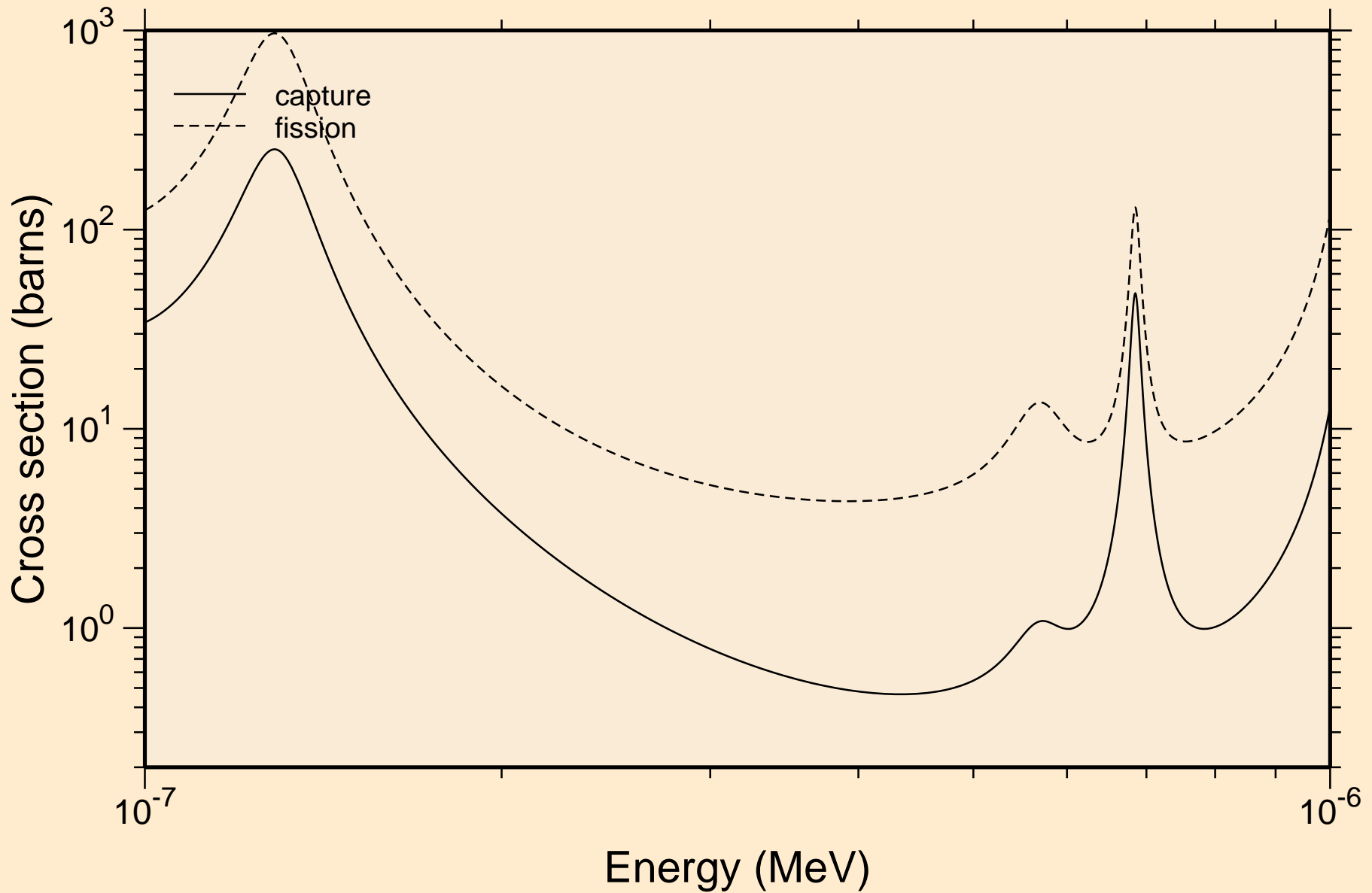
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance total cross section



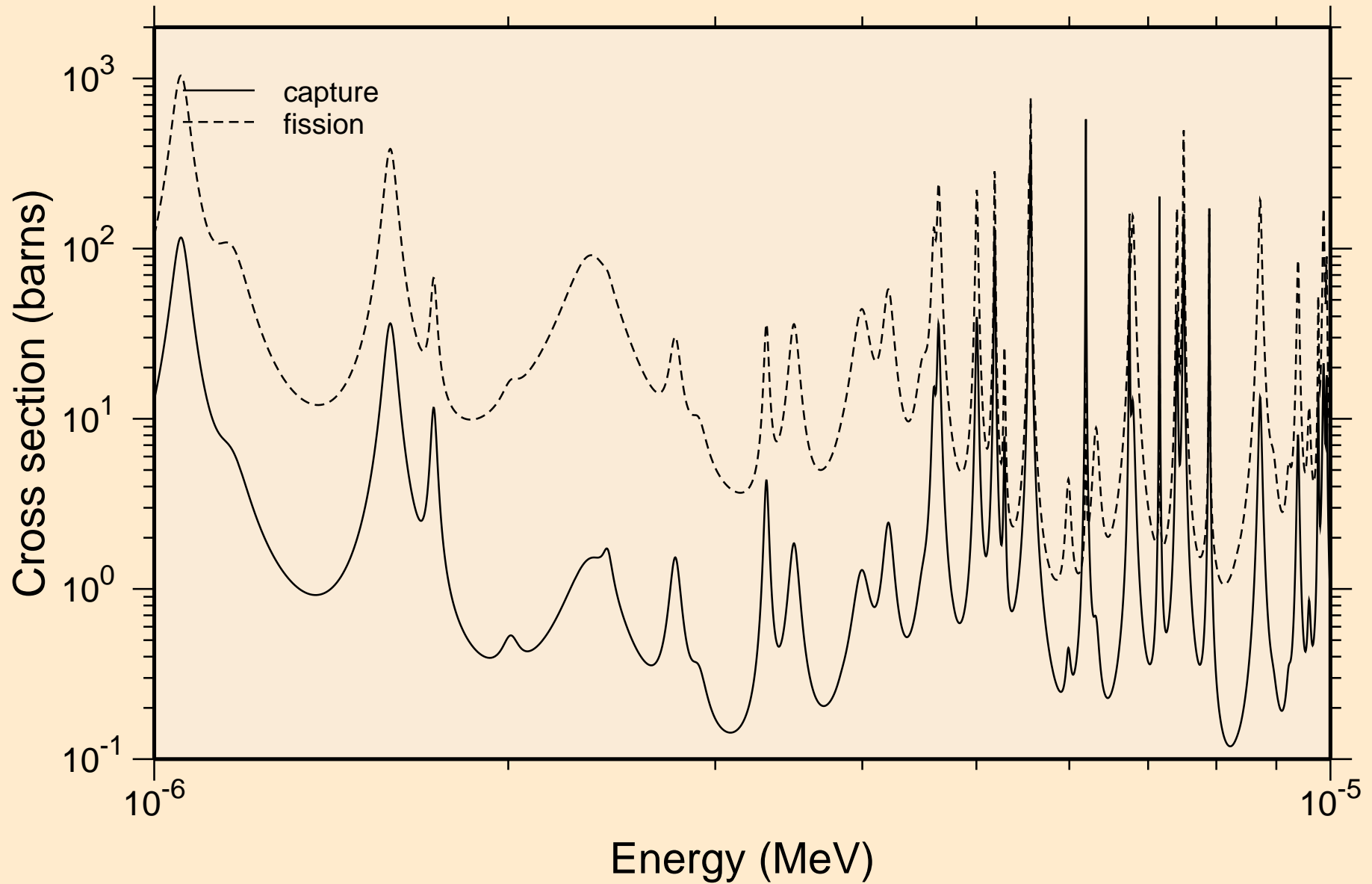
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections



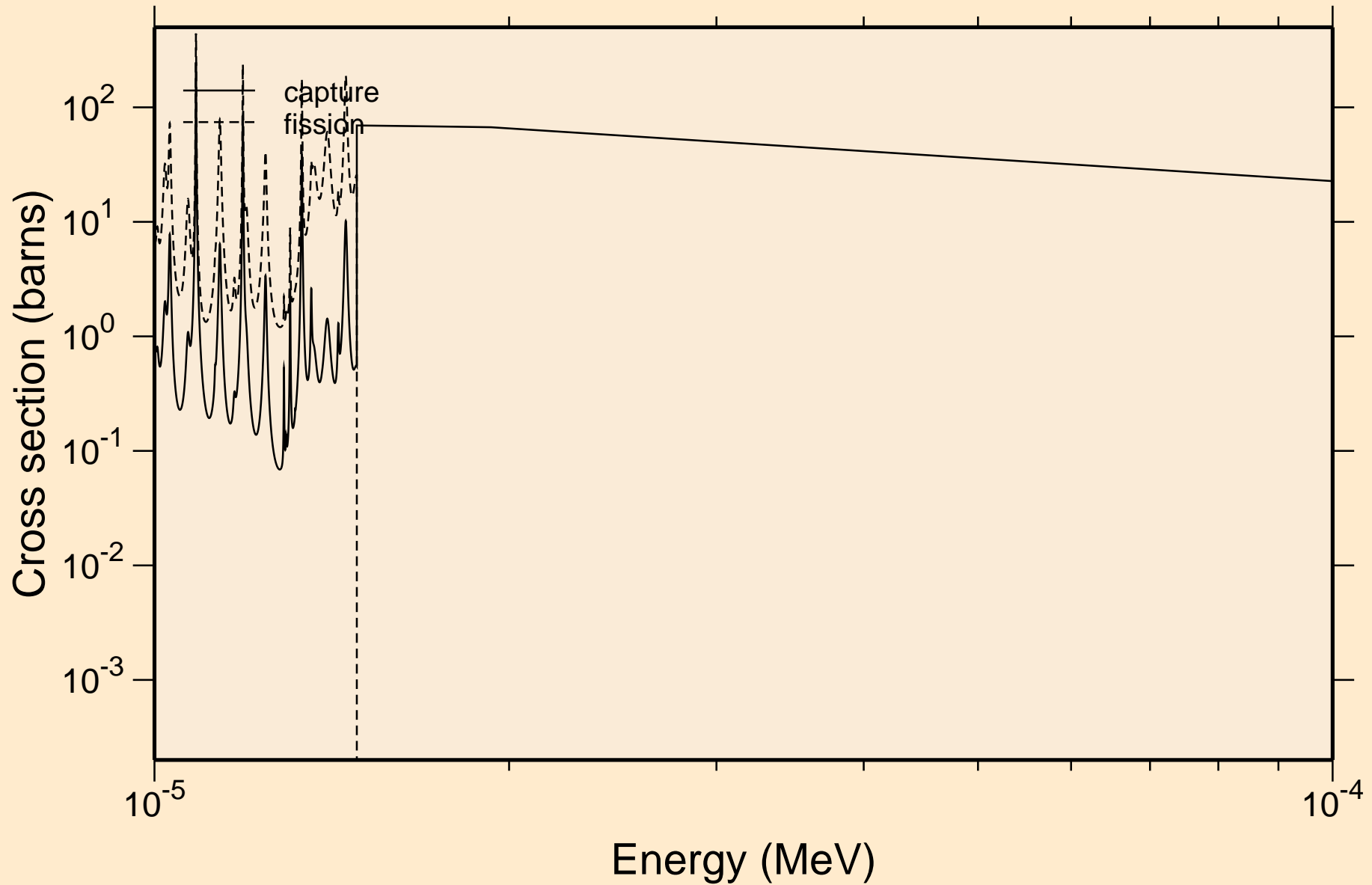
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections



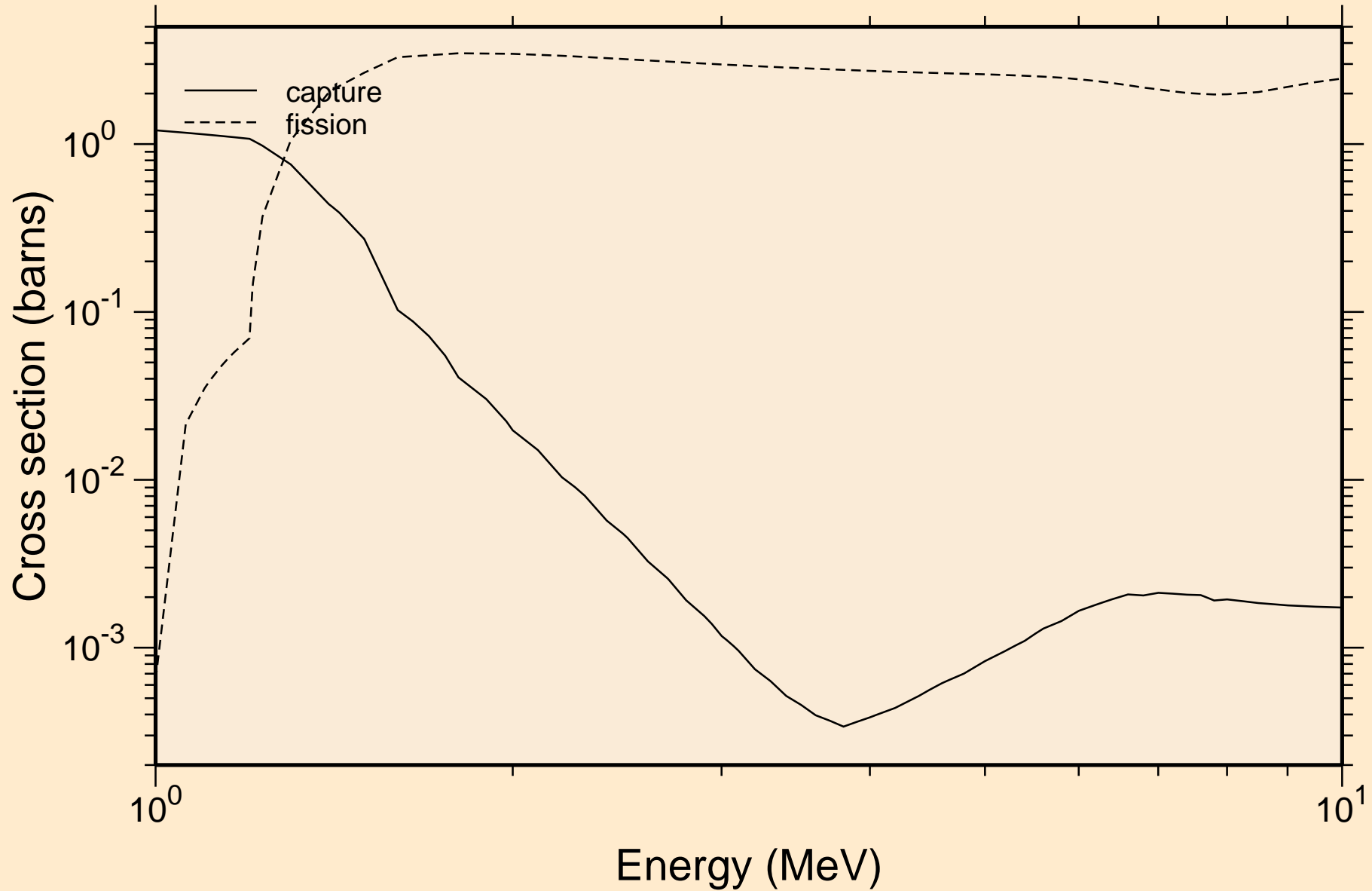
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections



NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections

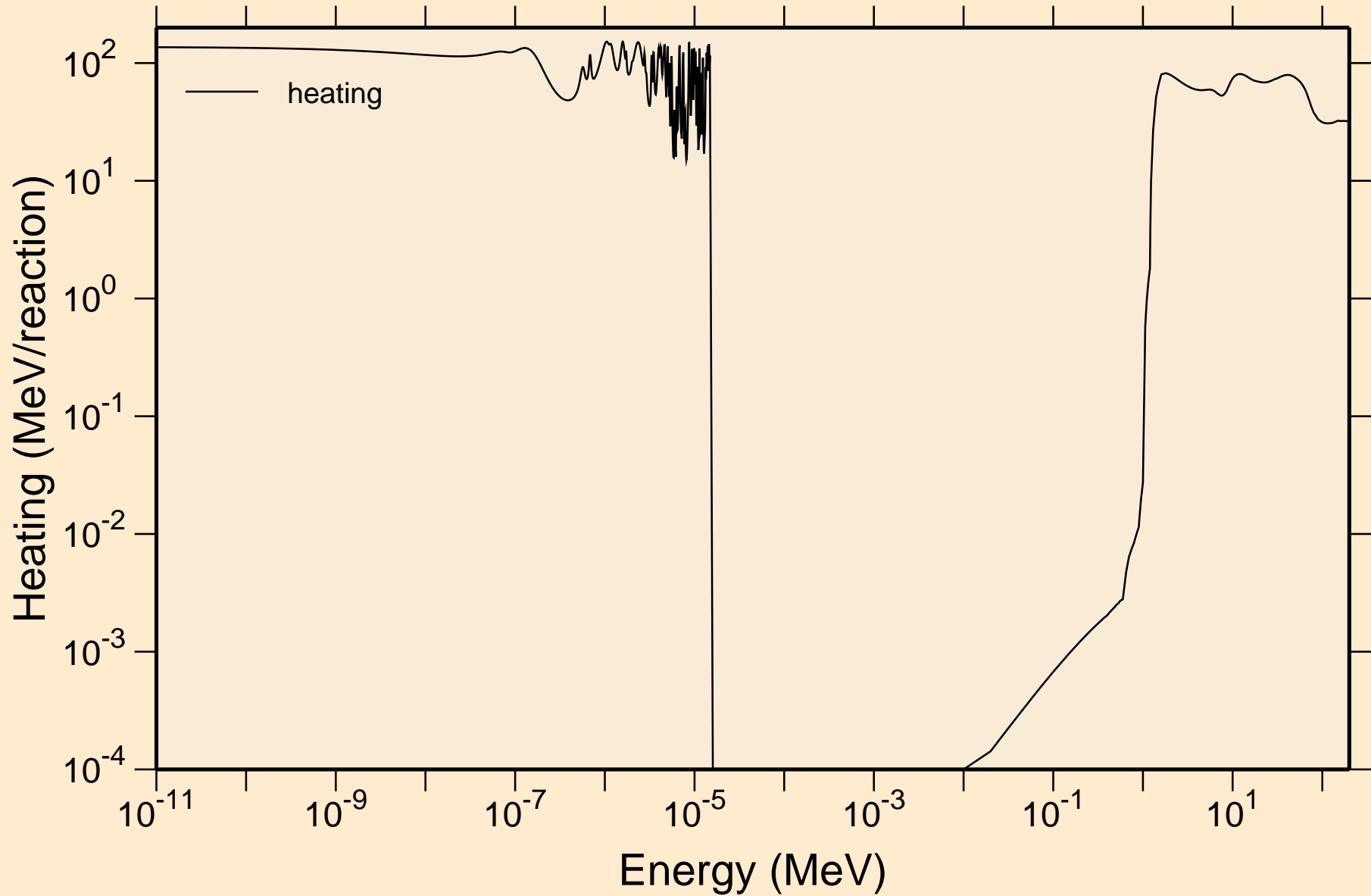


NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
resonance absorption cross sections



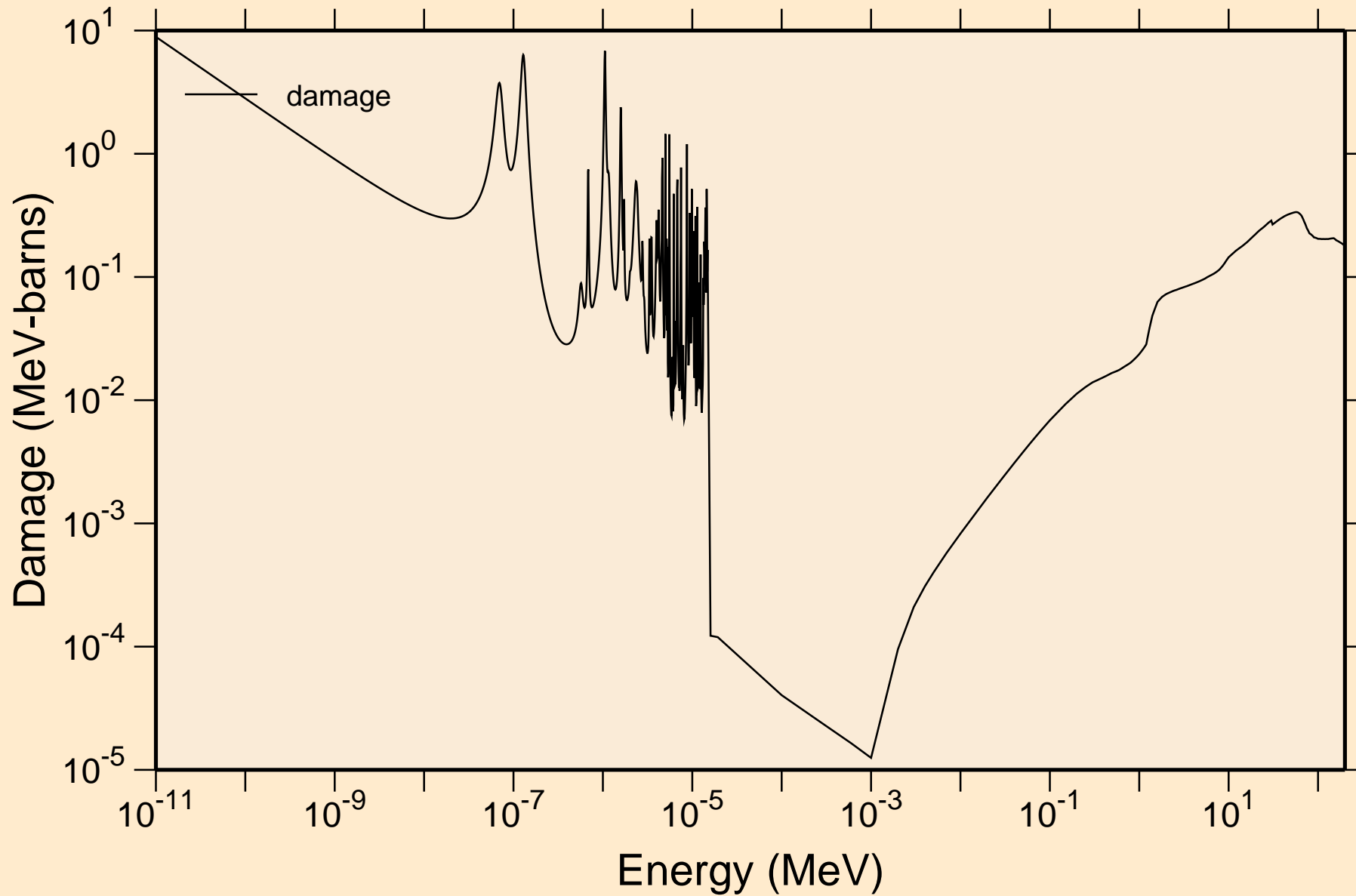
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating



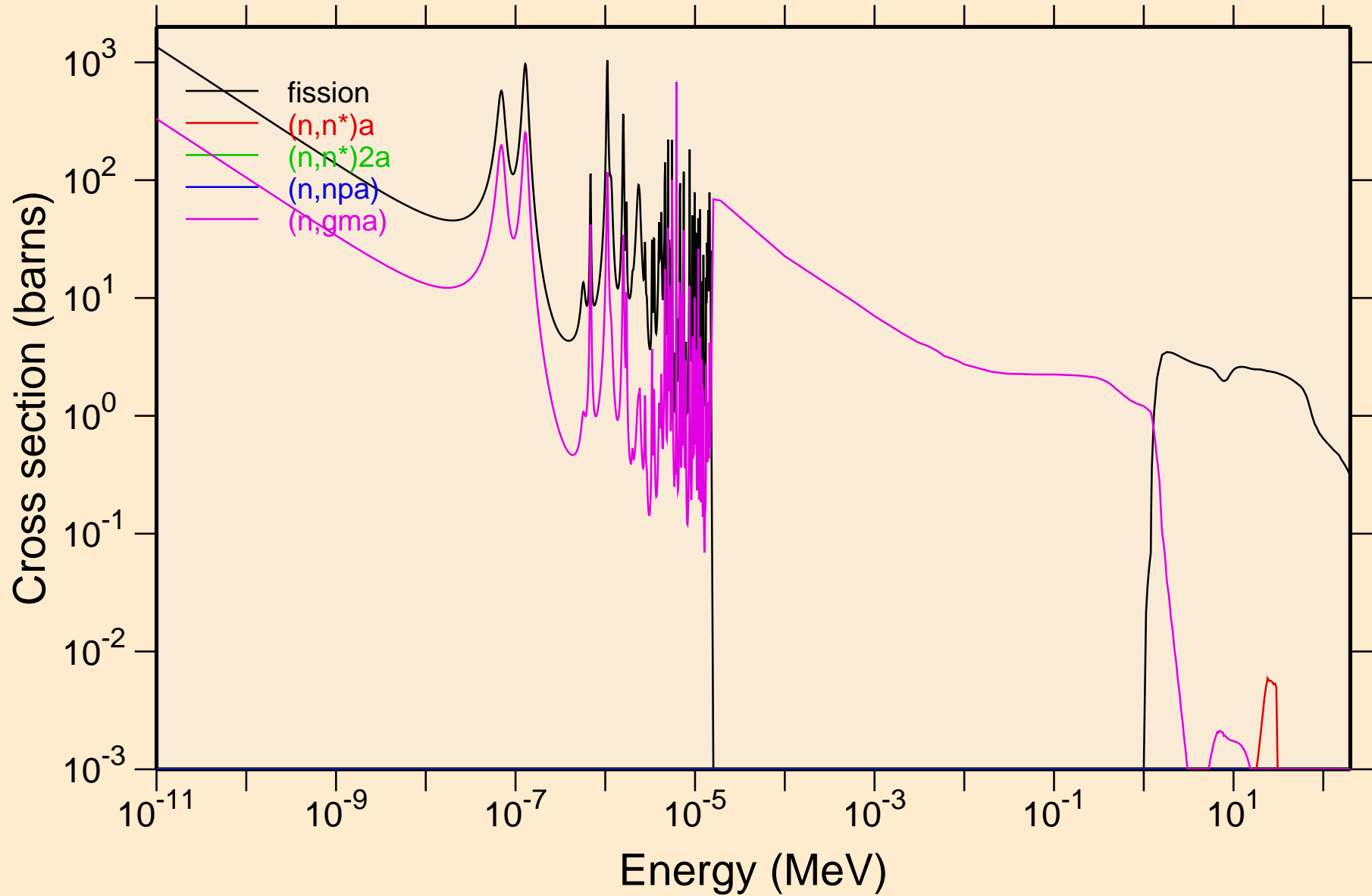
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Damage

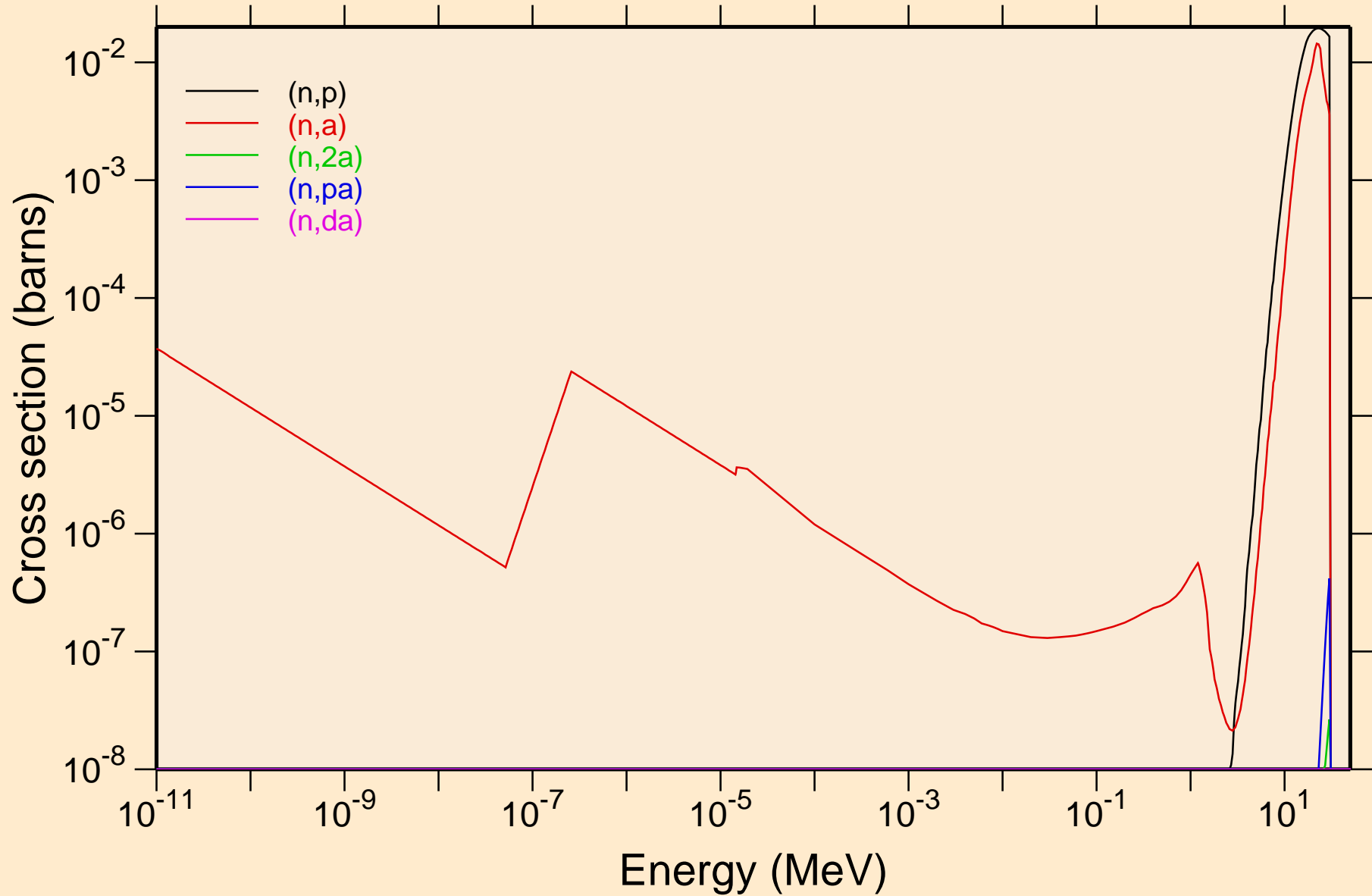


NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

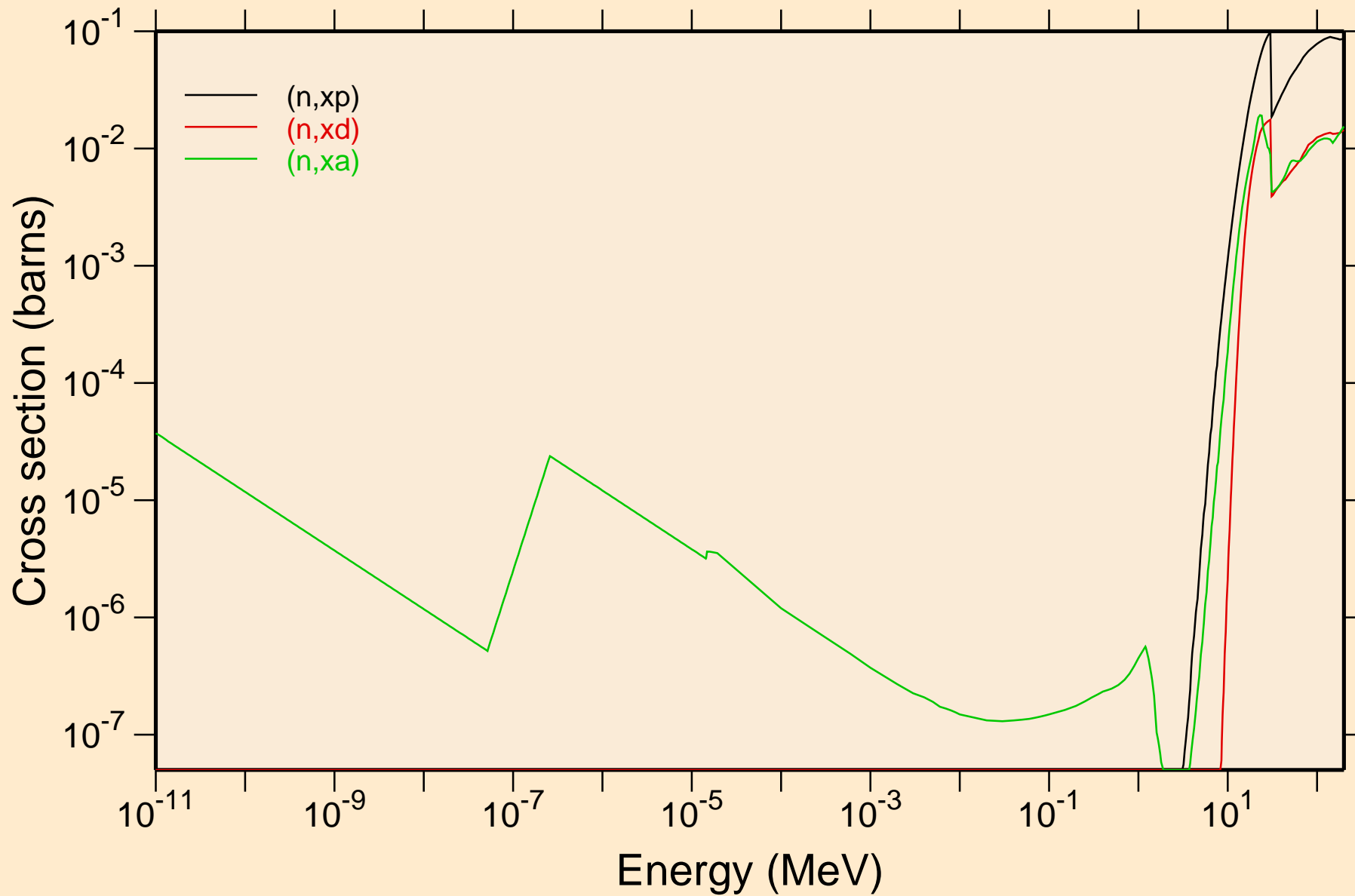
Non-threshold reactions



NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

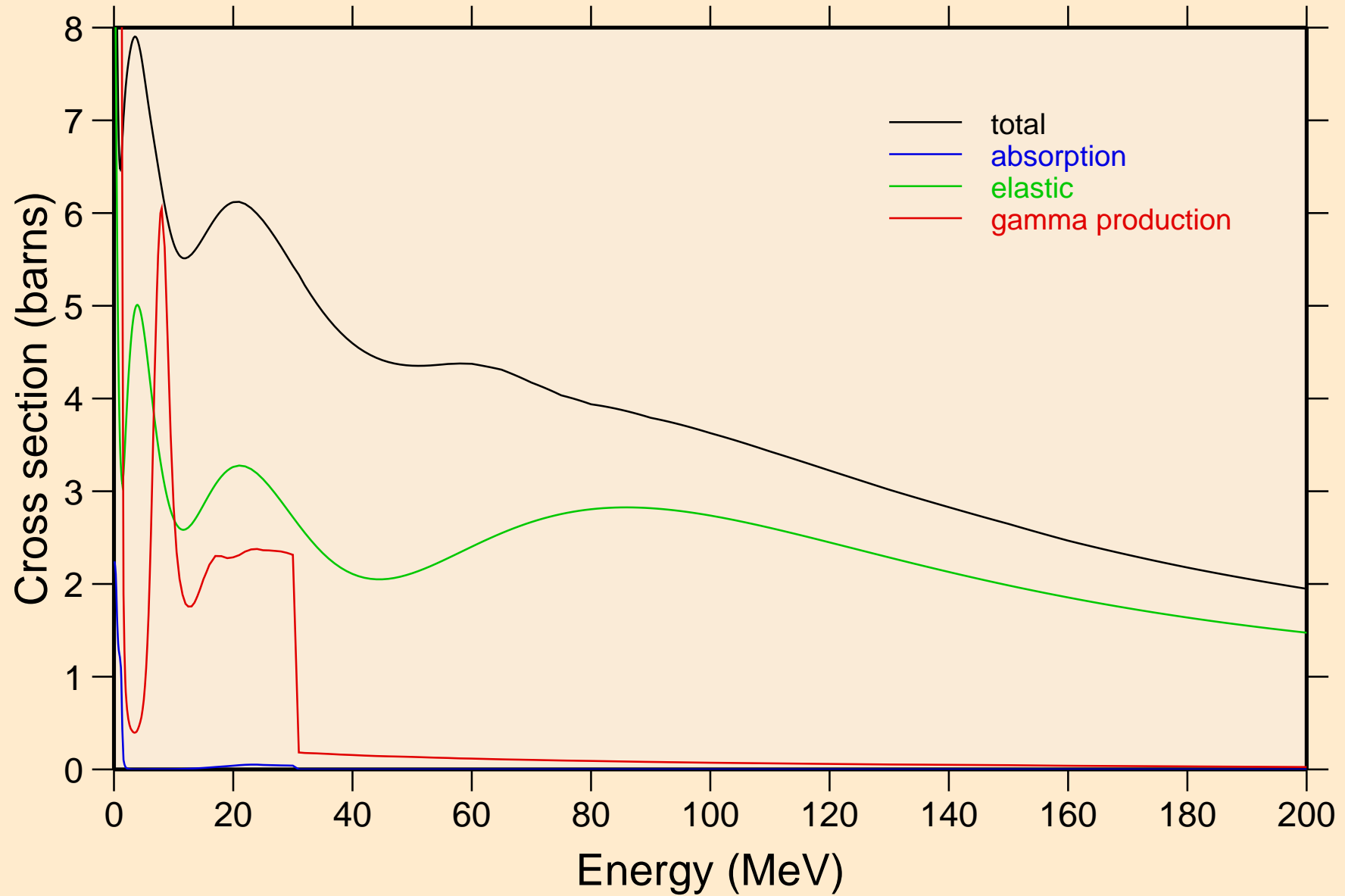


NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions



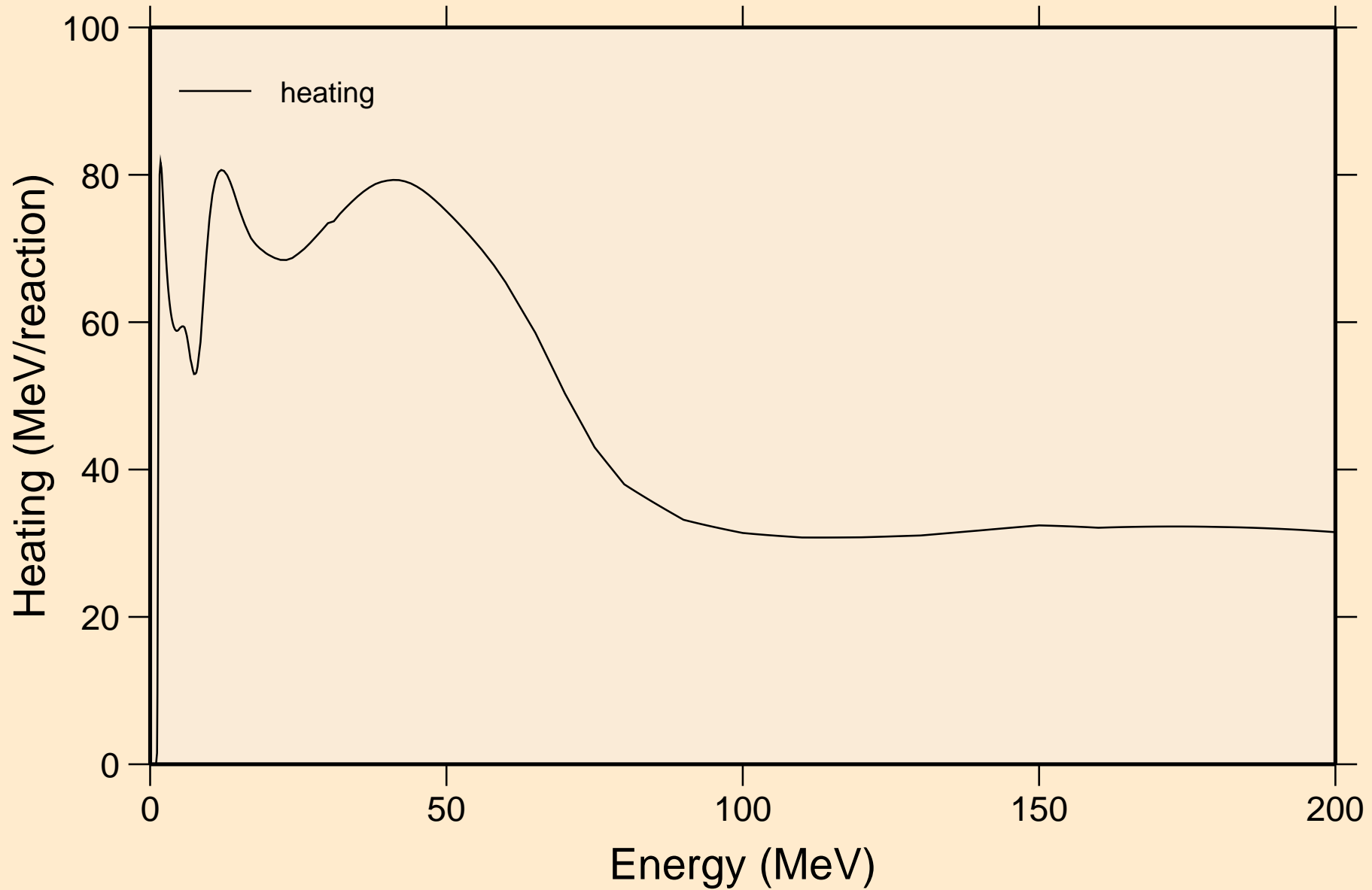
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Principal cross sections

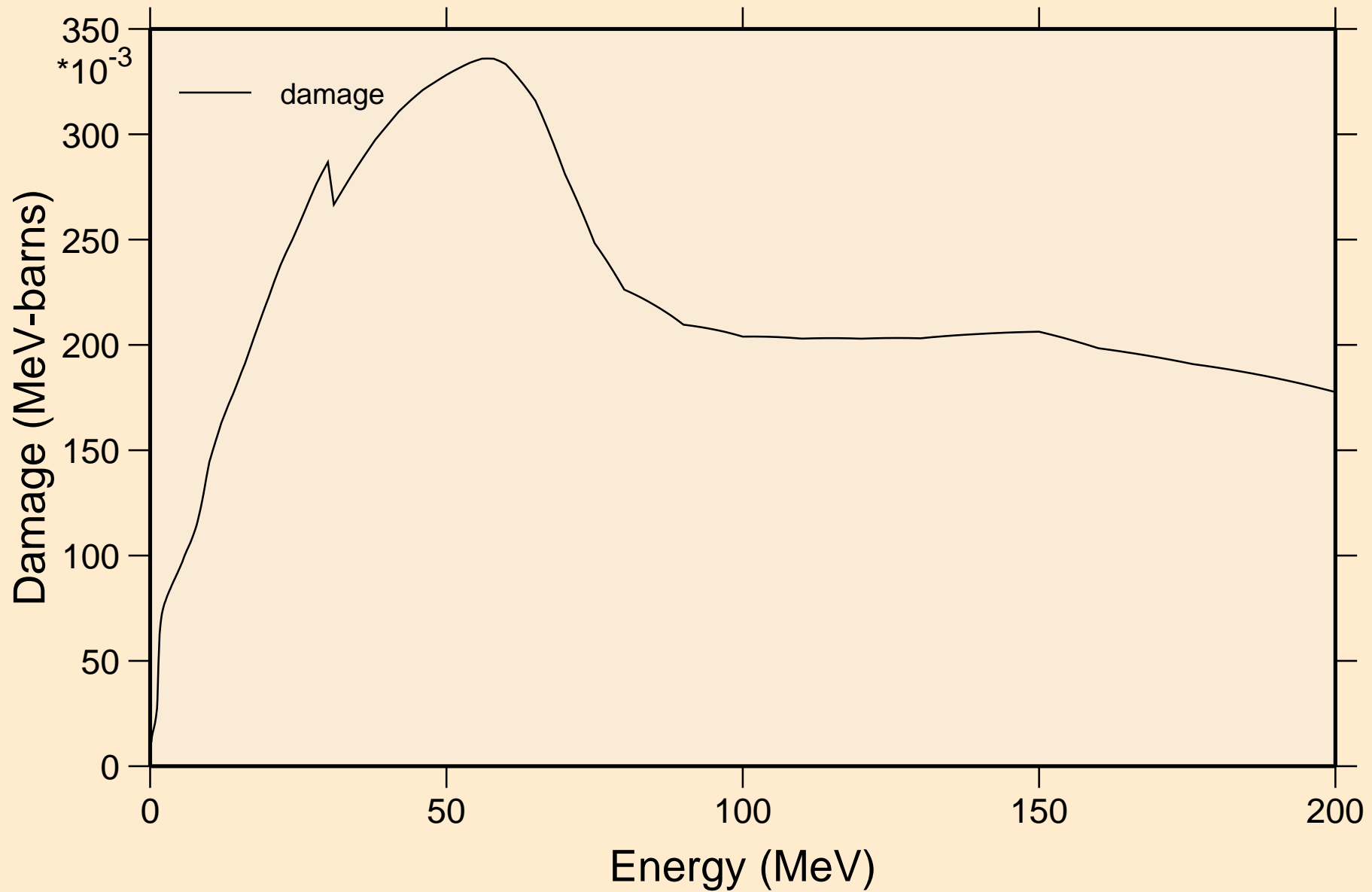


NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

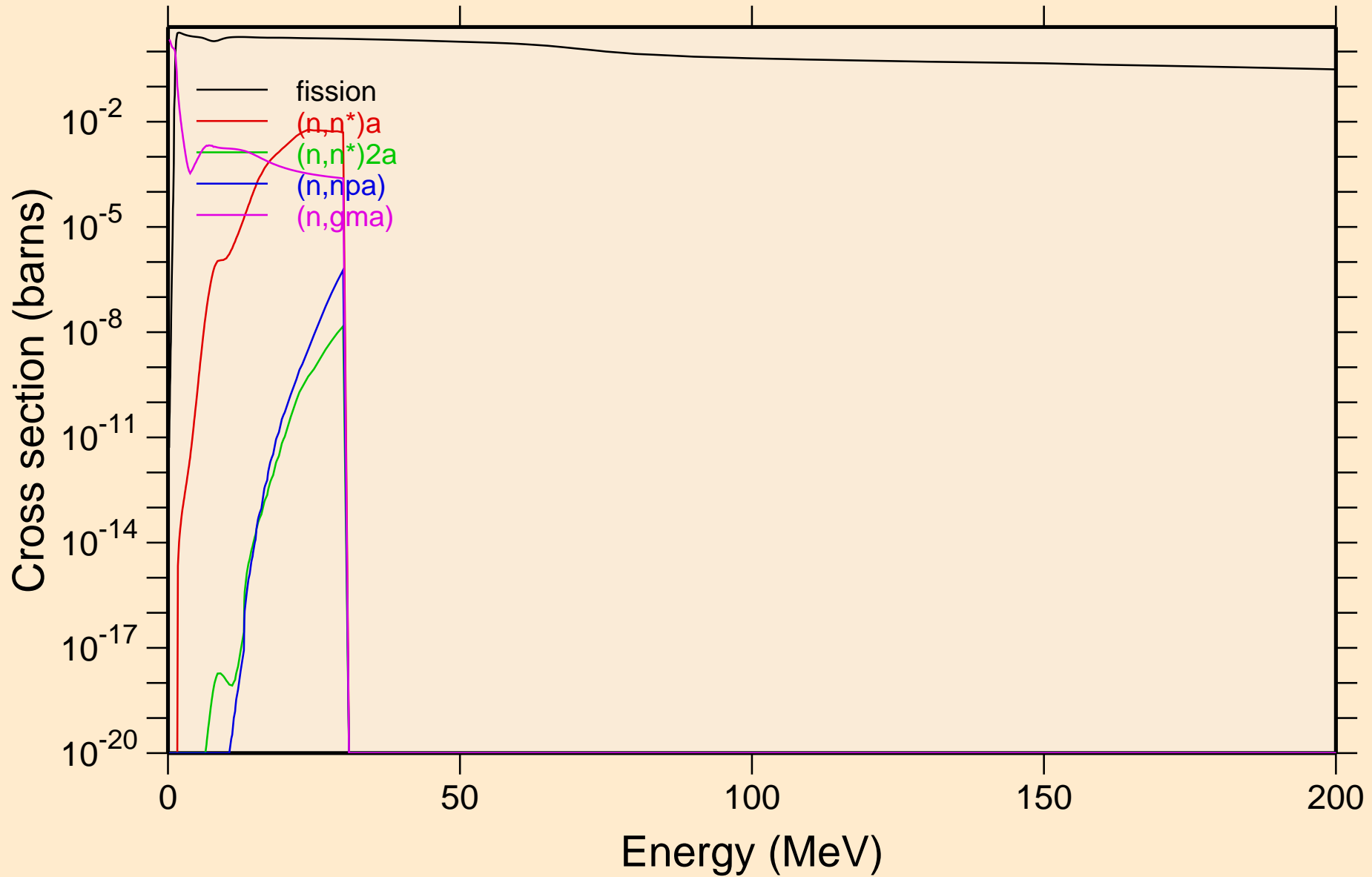


NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Damage



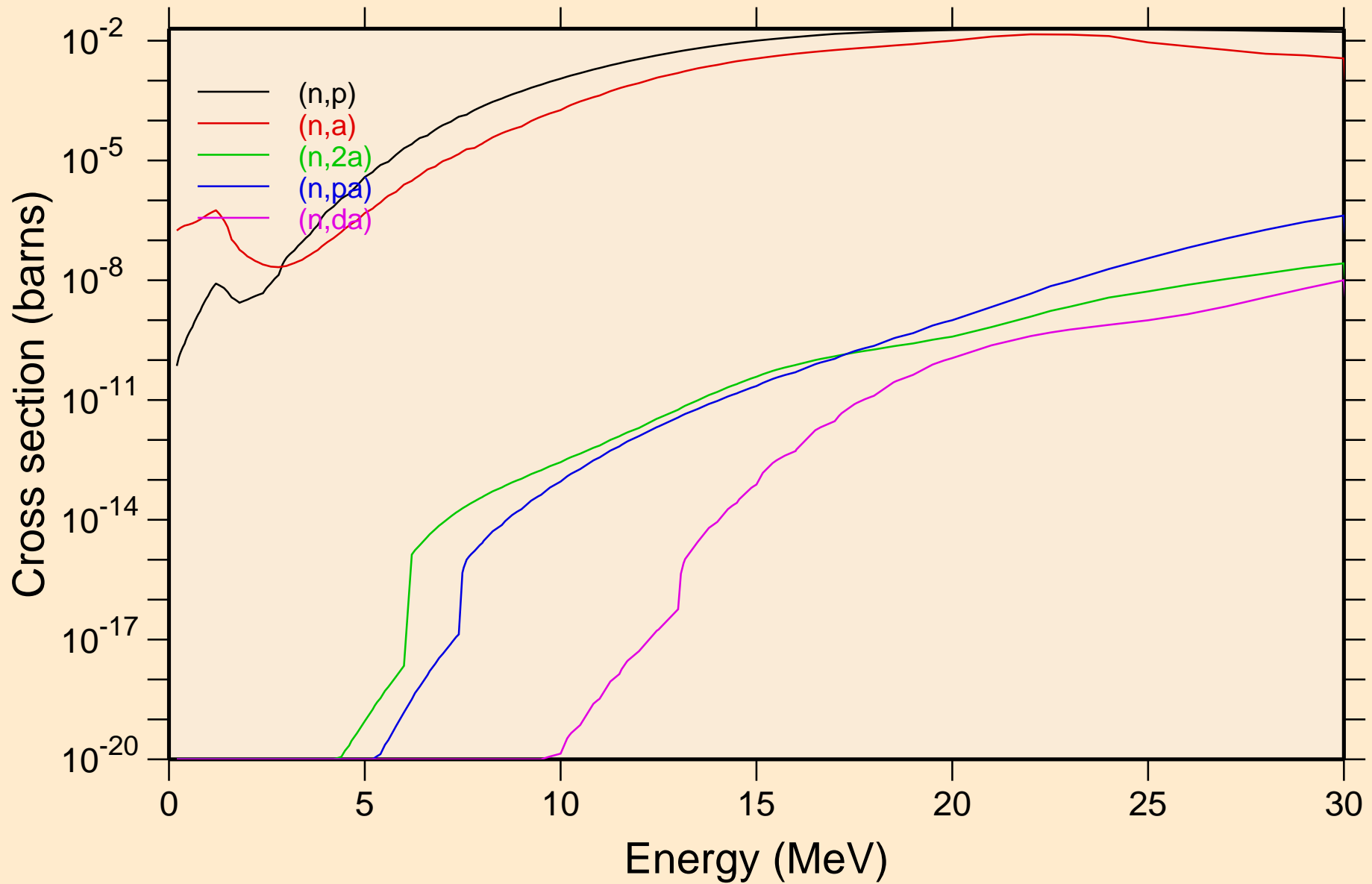
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Non-threshold reactions

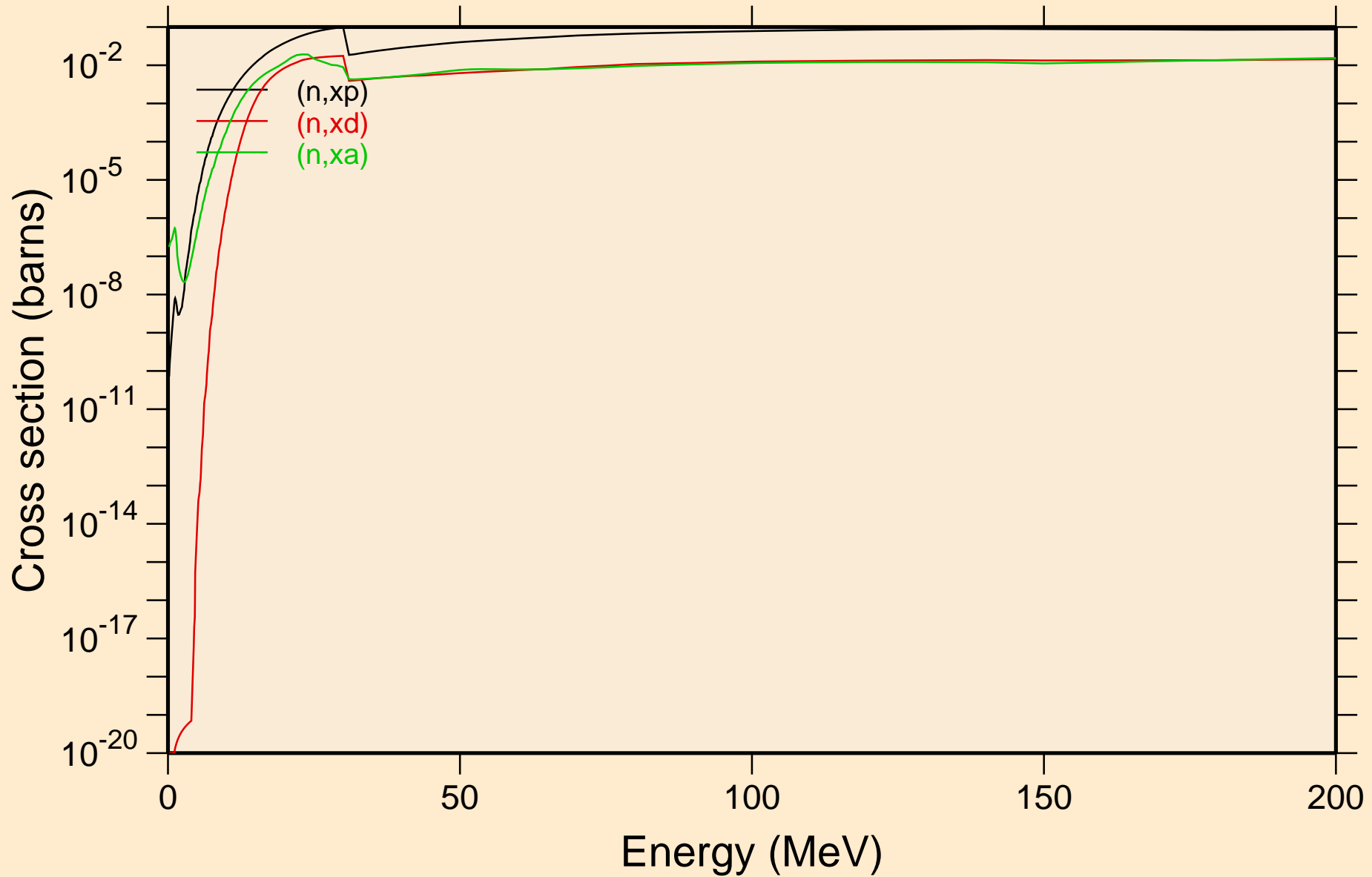


NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

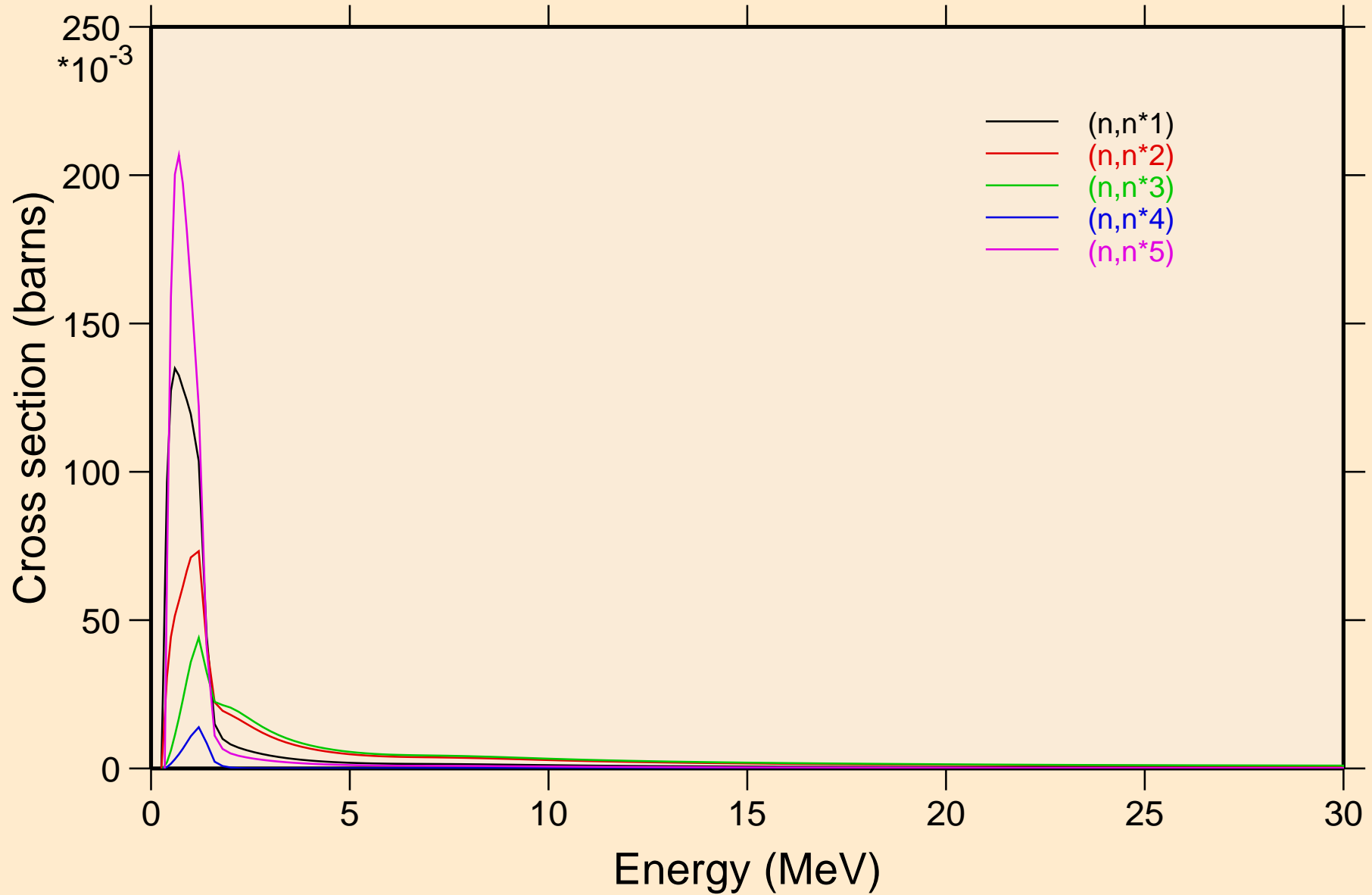
Non-threshold reactions



NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Non-threshold reactions

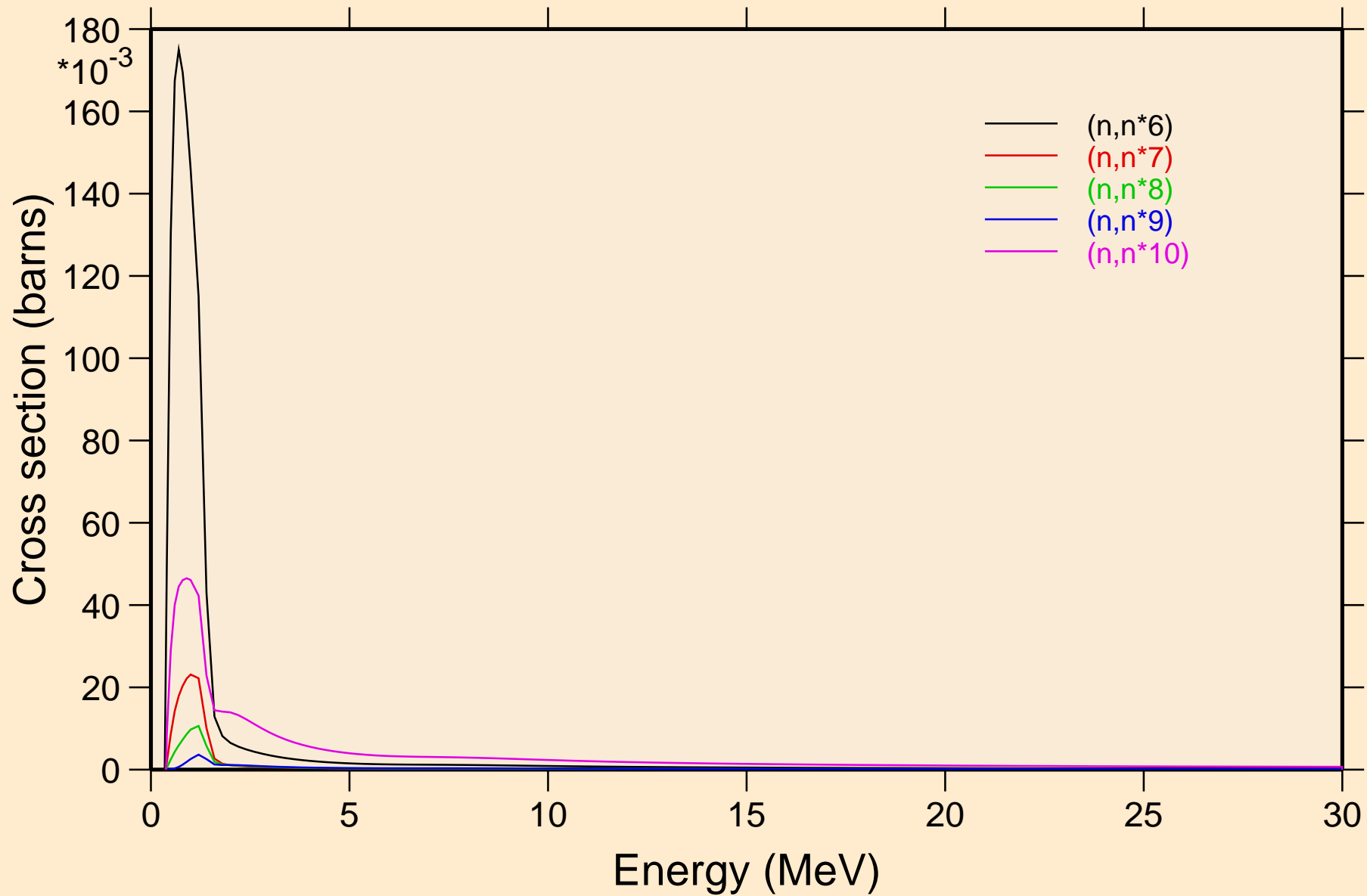


NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Inelastic levels

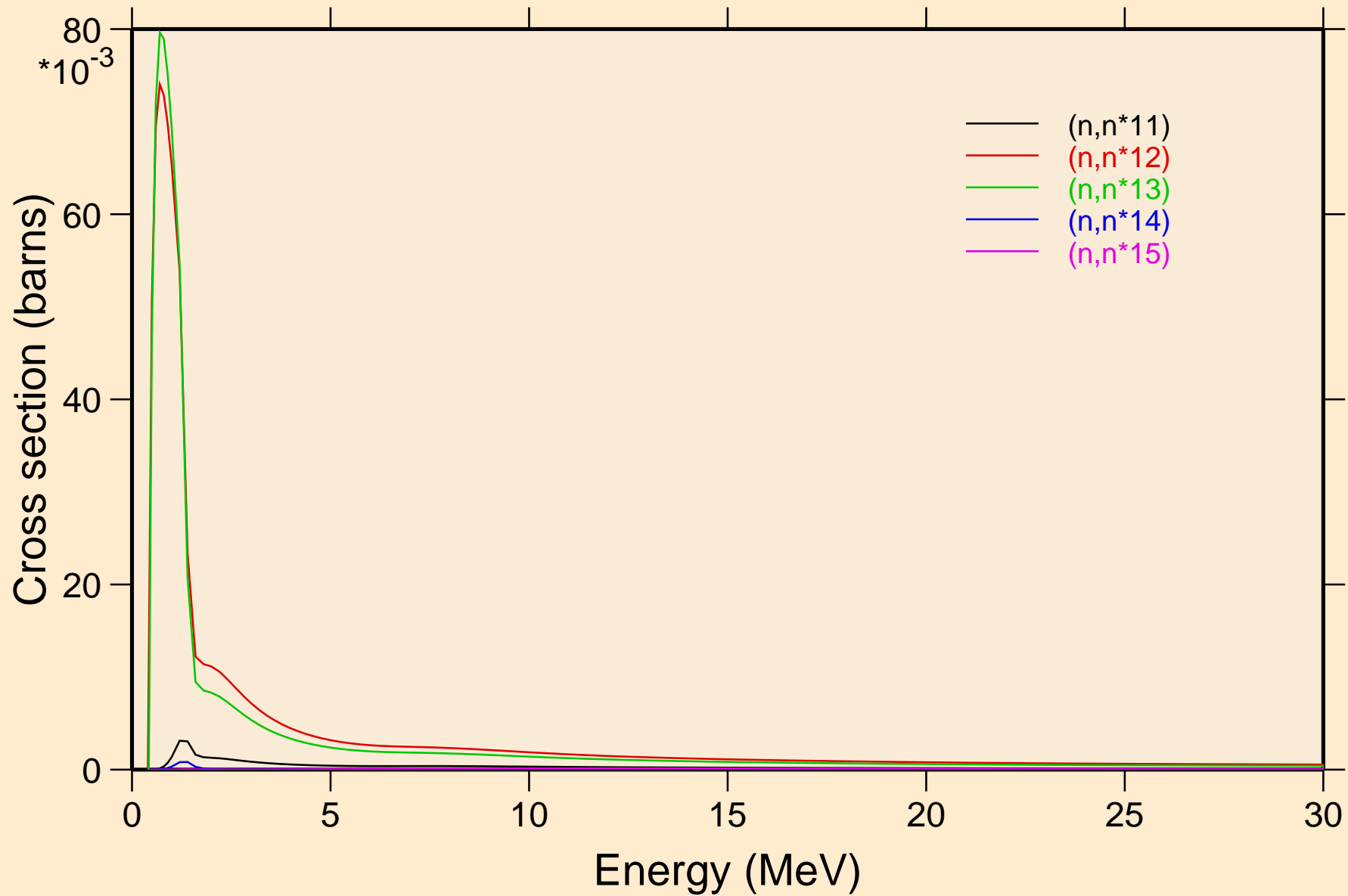


NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

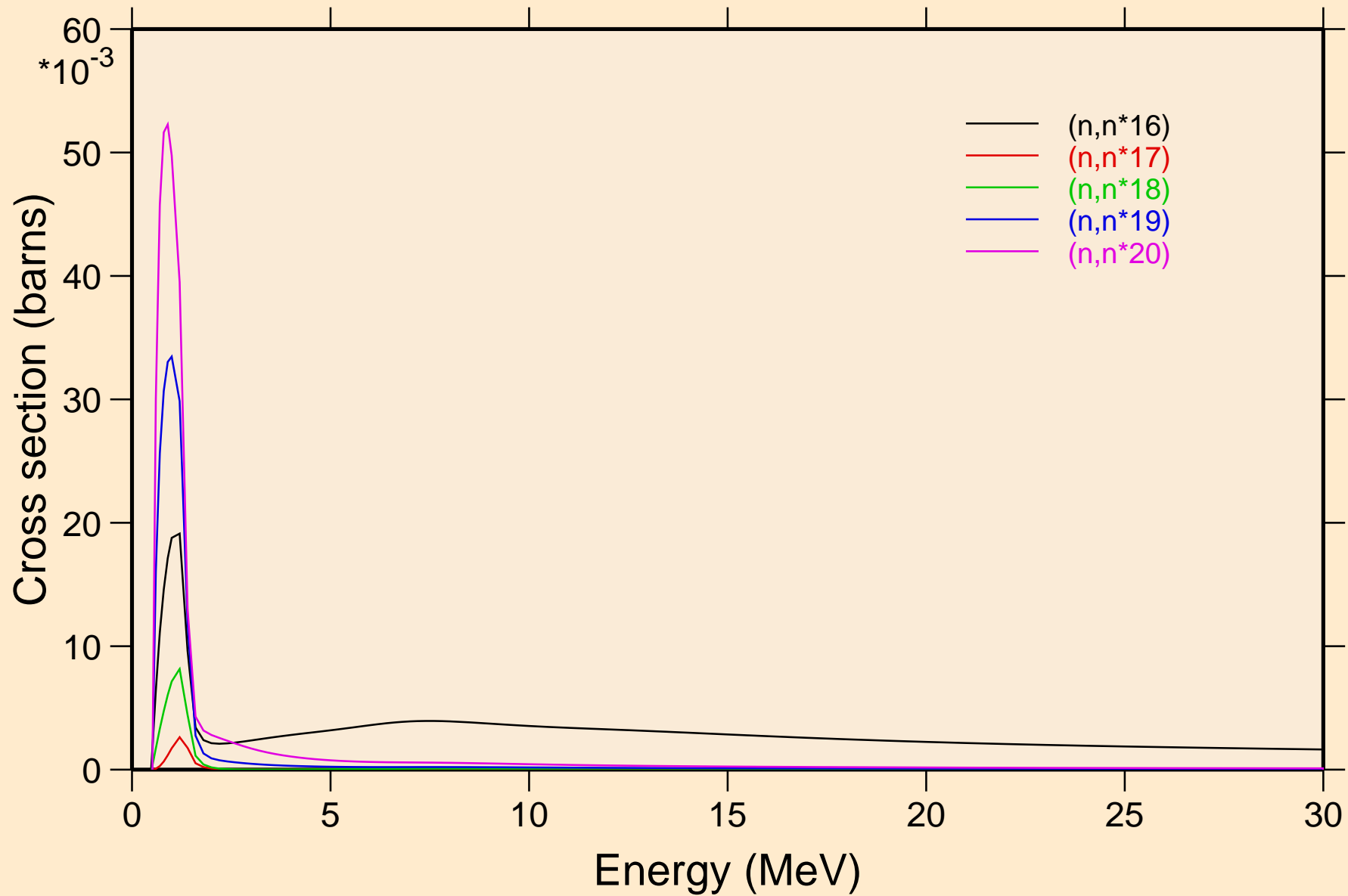
Inelastic levels



NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Inelastic levels

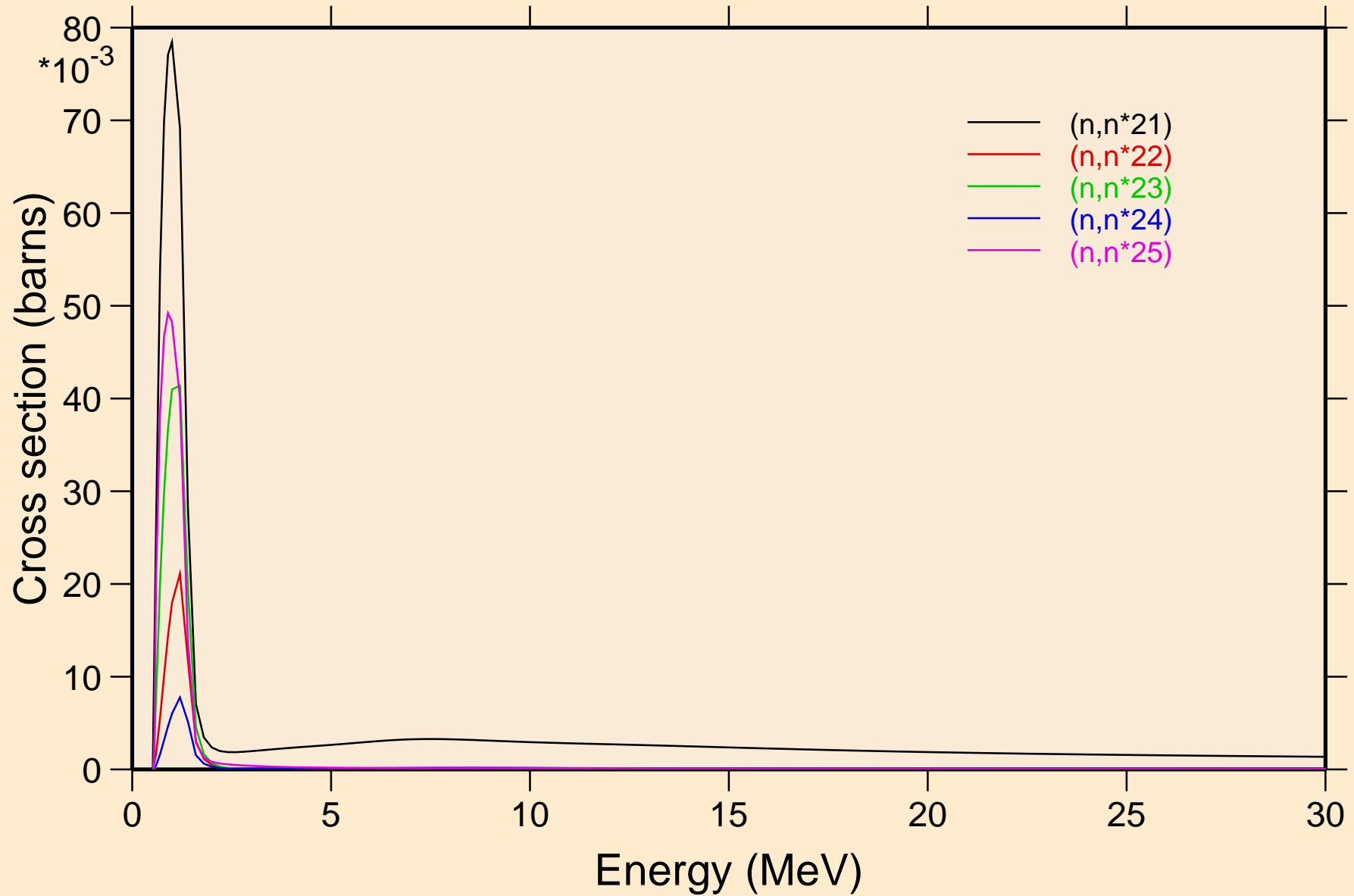


NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Inelastic levels

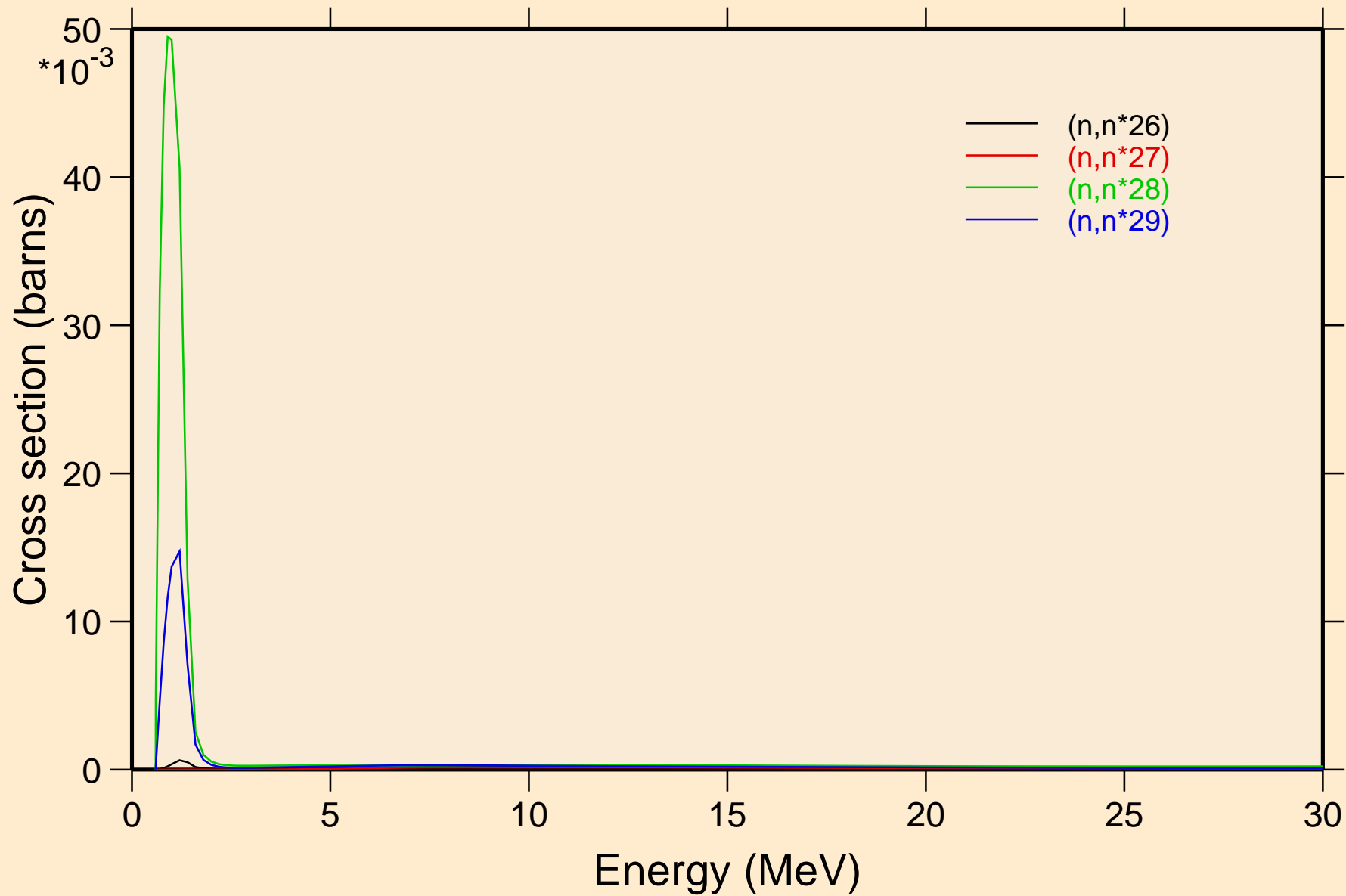


NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

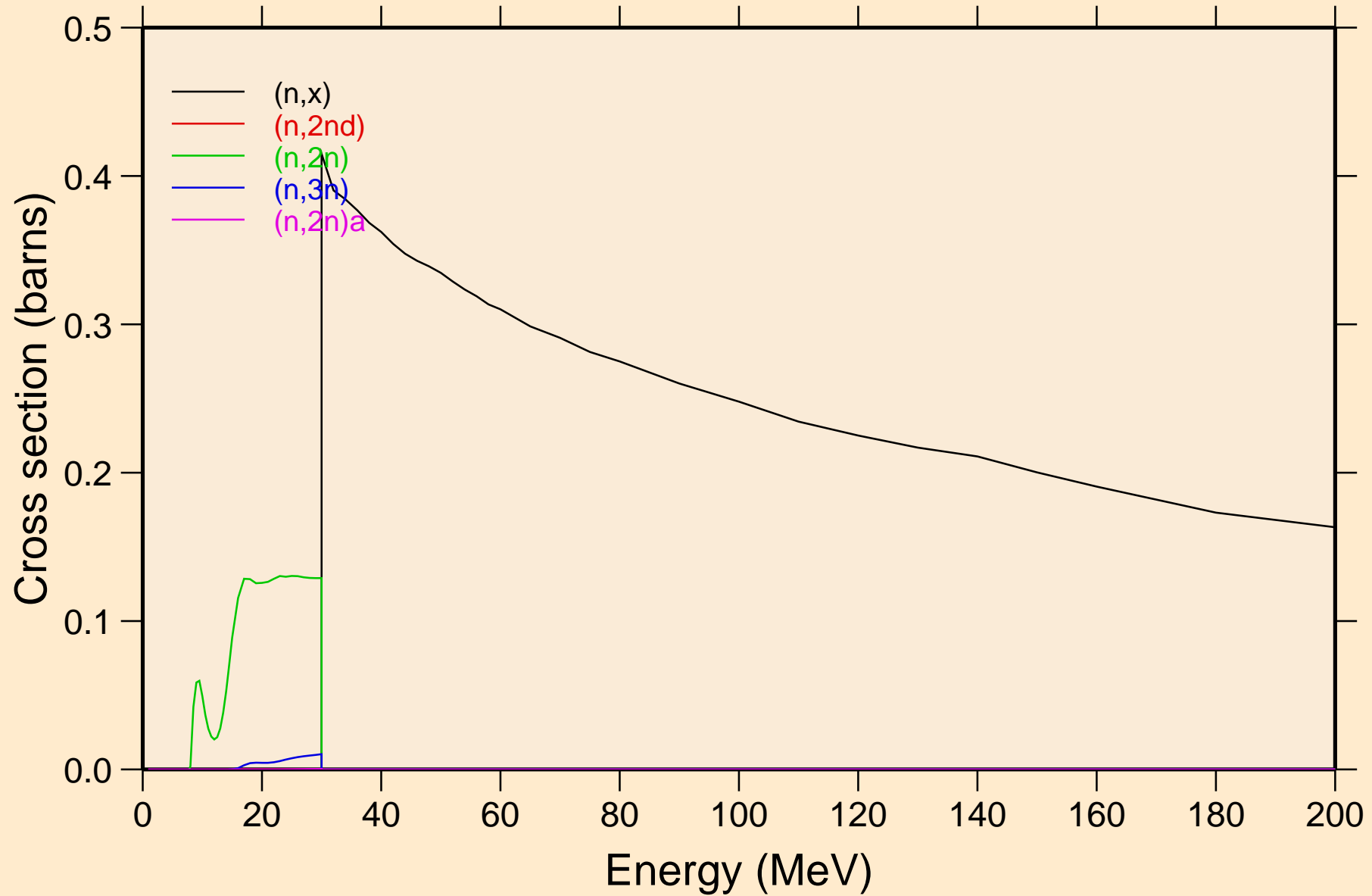
Inelastic levels



NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Inelastic levels

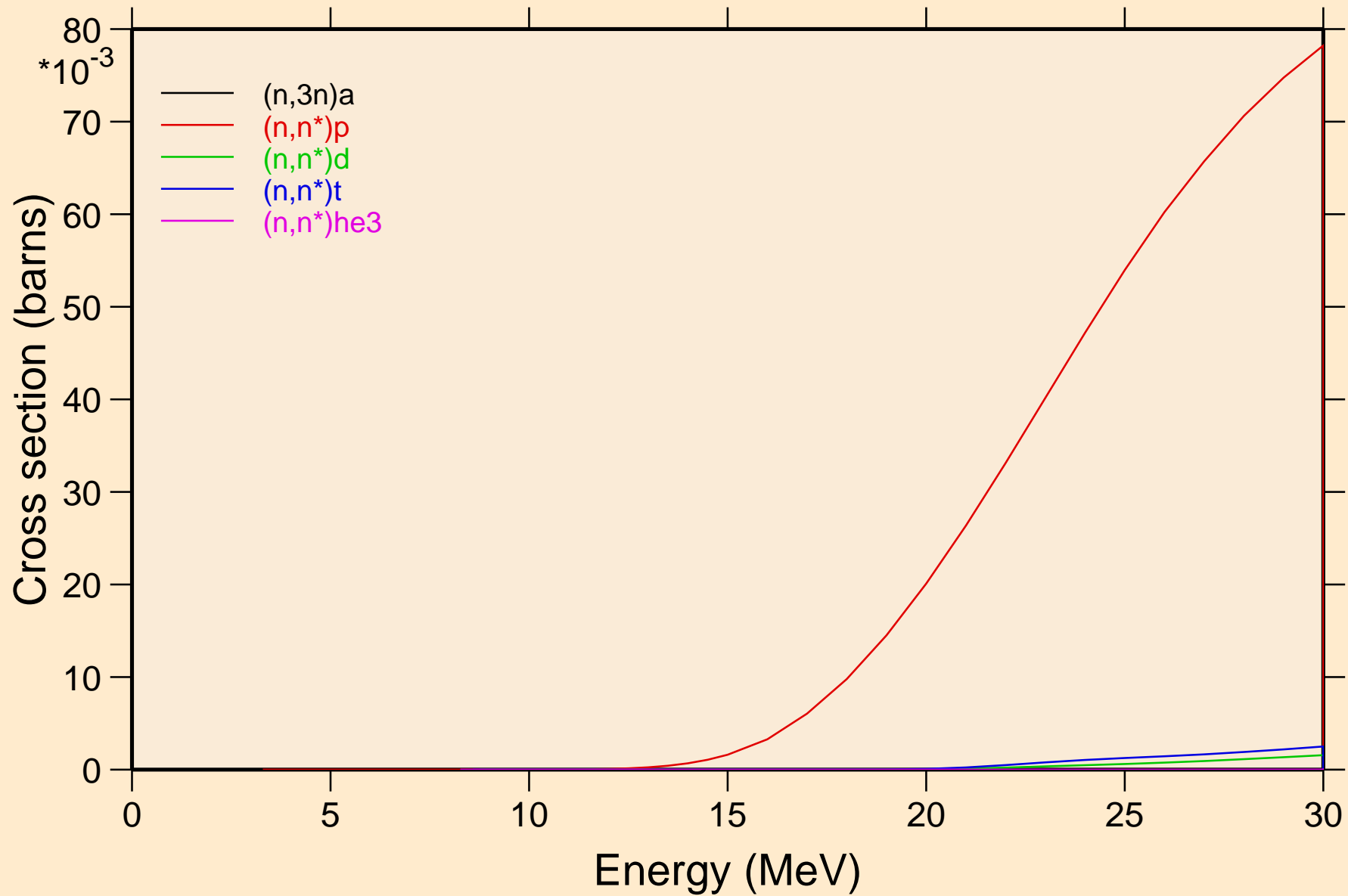


NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions

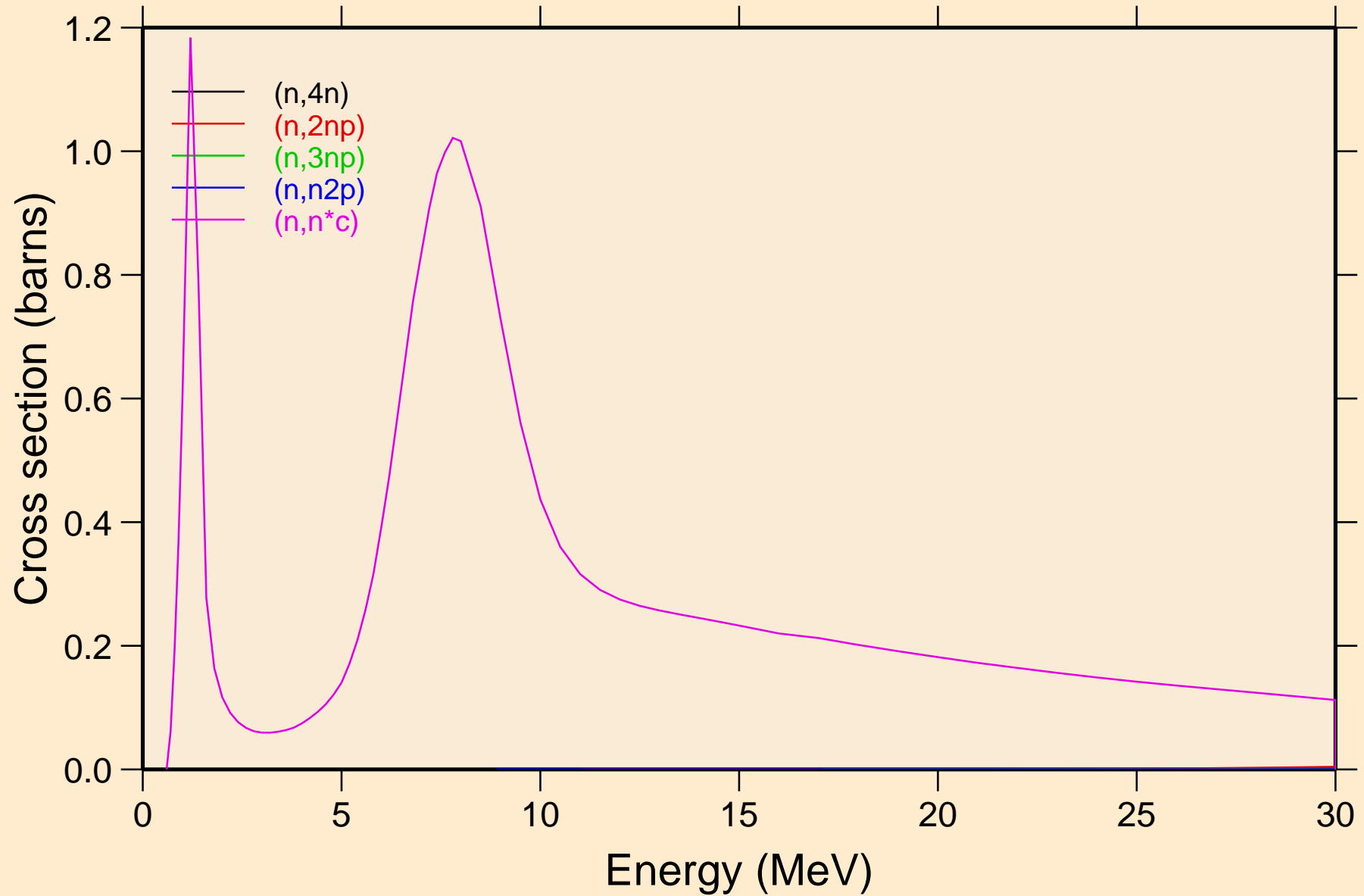


NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

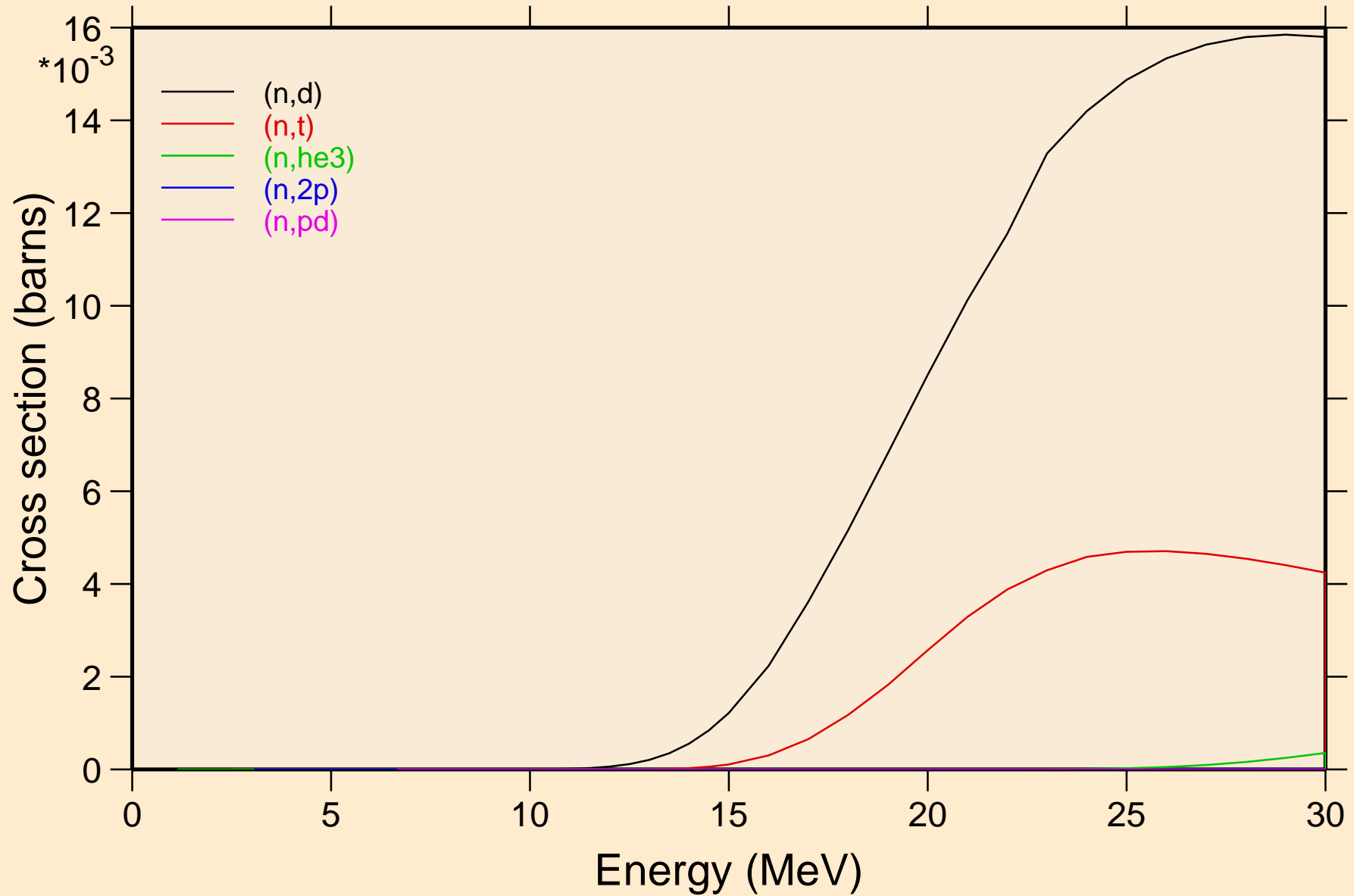
Threshold reactions



NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions

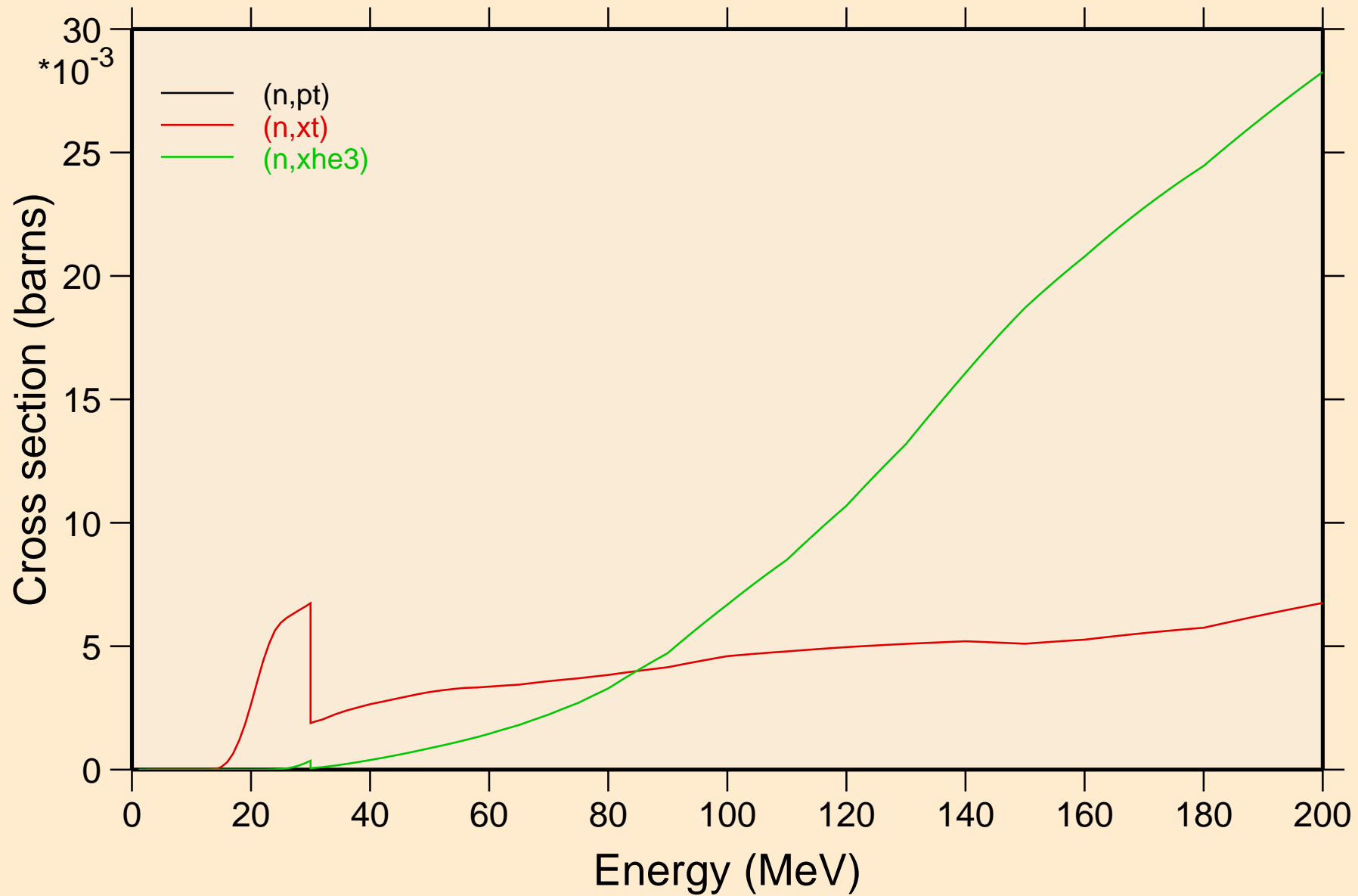


NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions

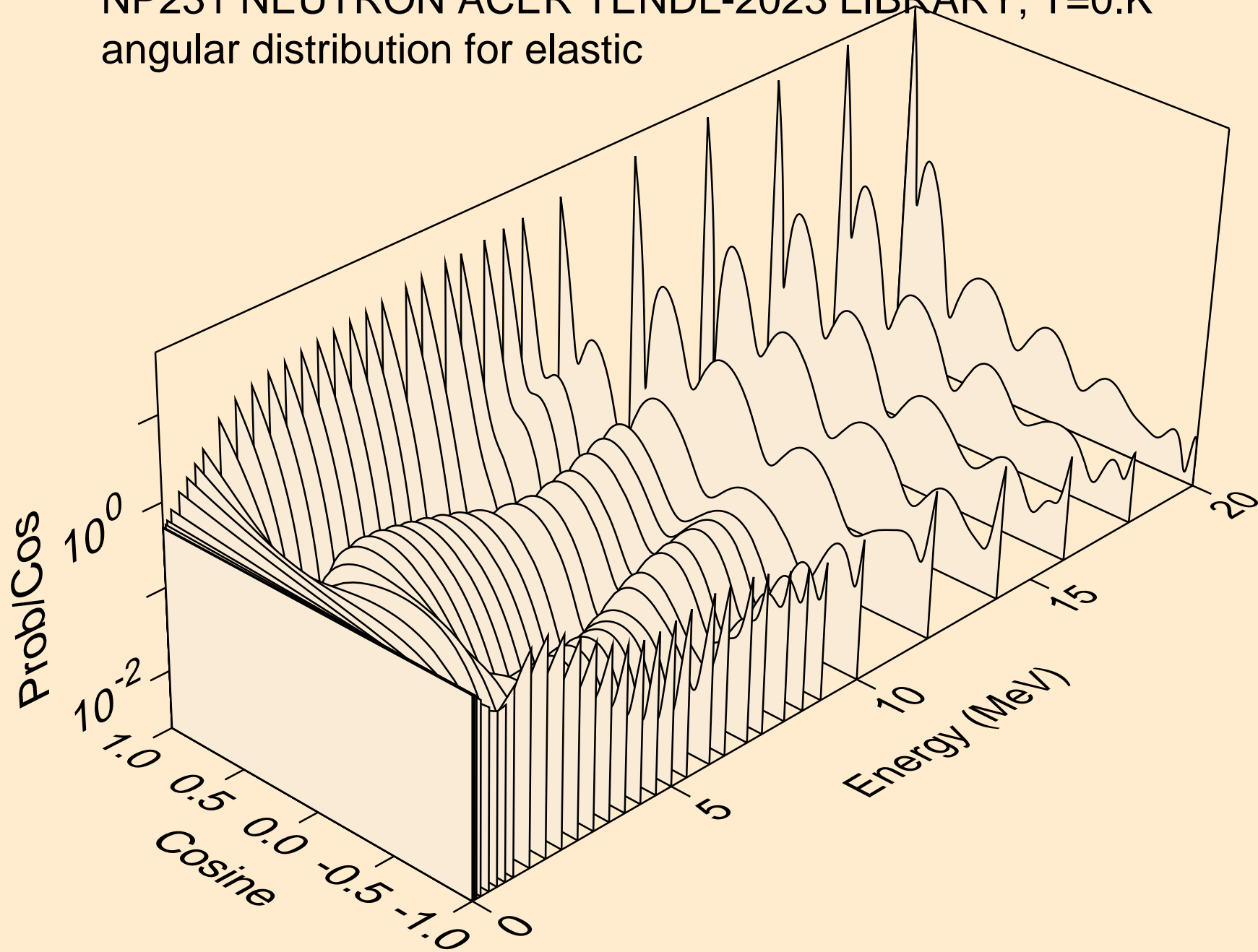


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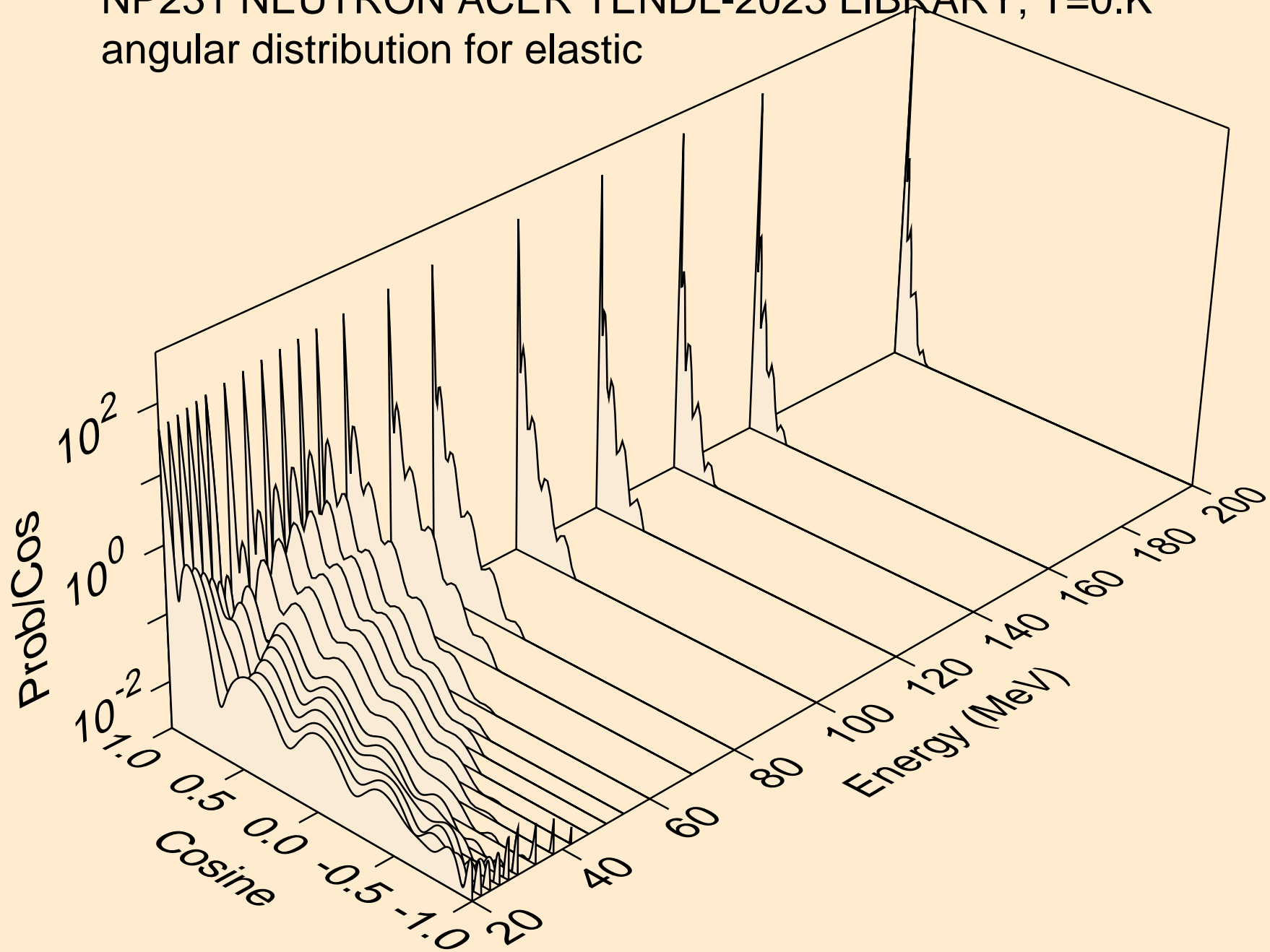
Threshold reactions



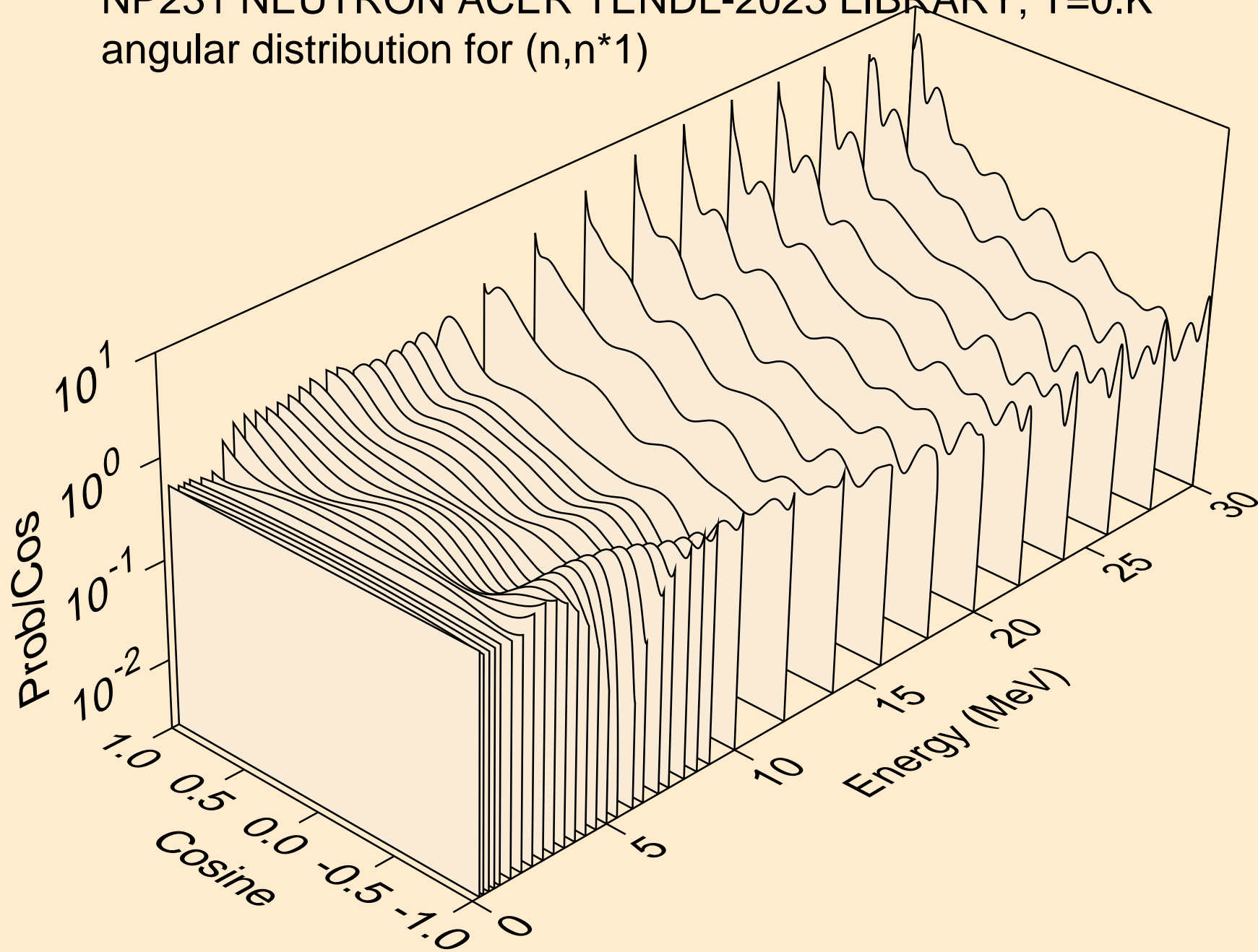
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic



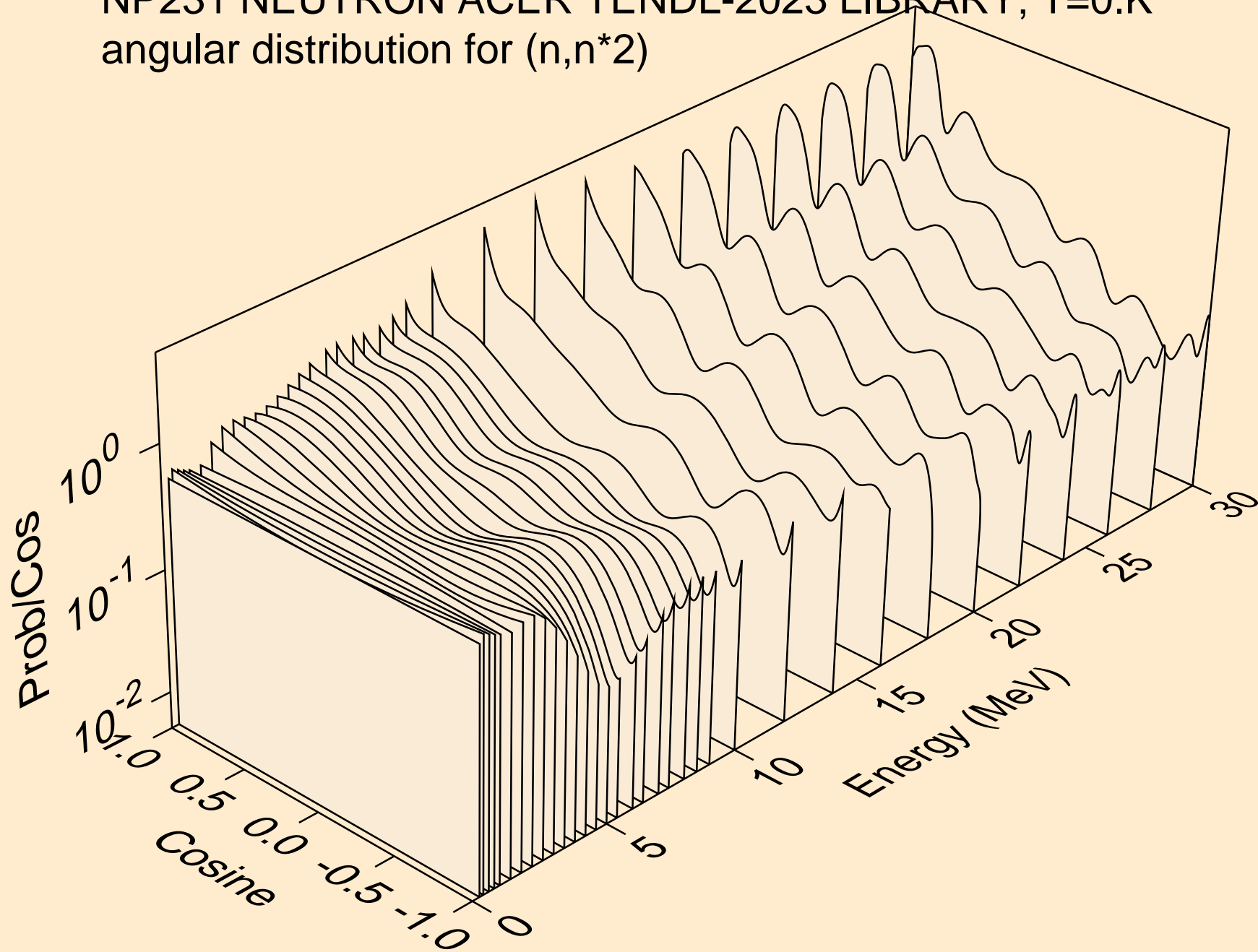
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angular distribution for elastic



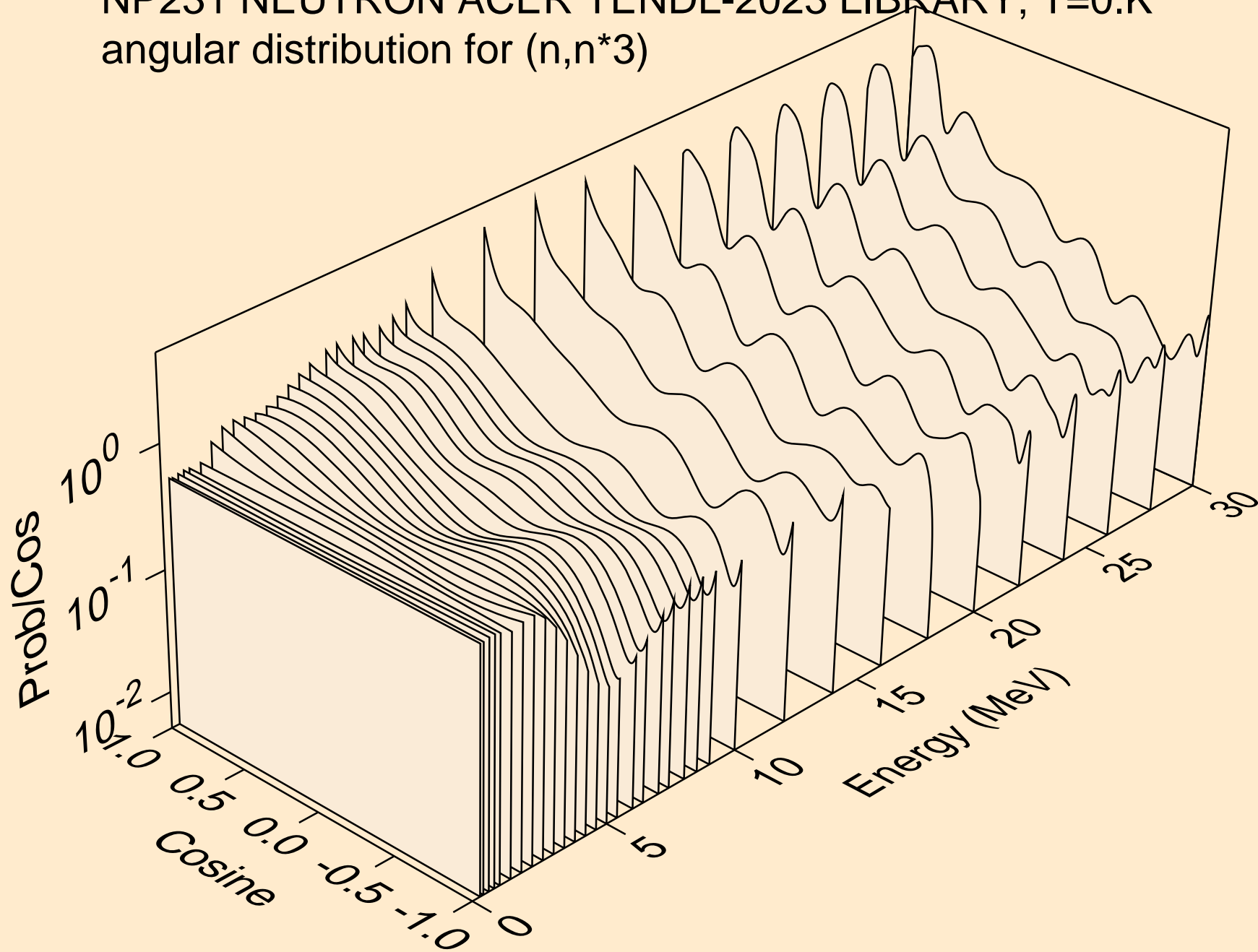
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*1)



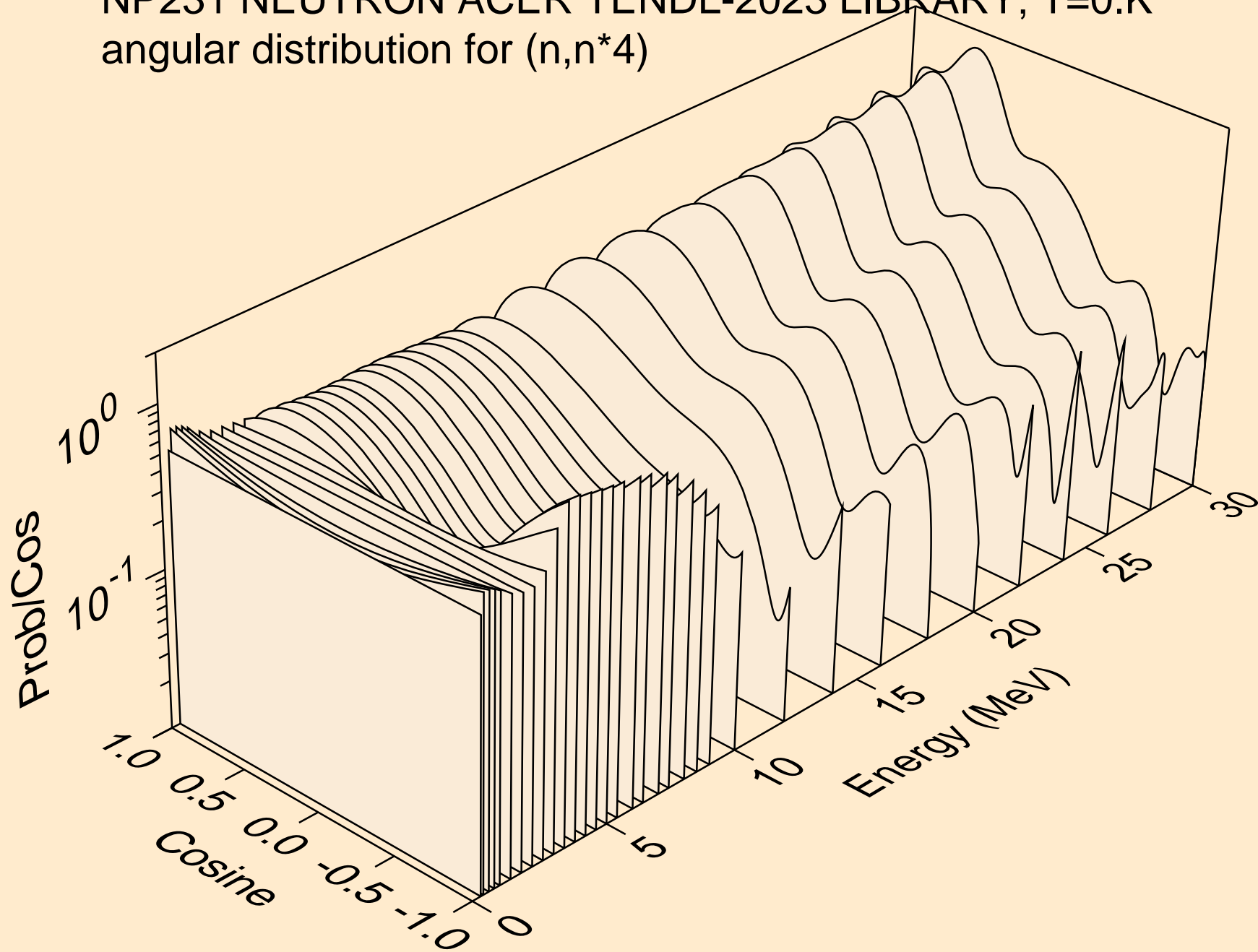
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angular distribution for (n,n*2)



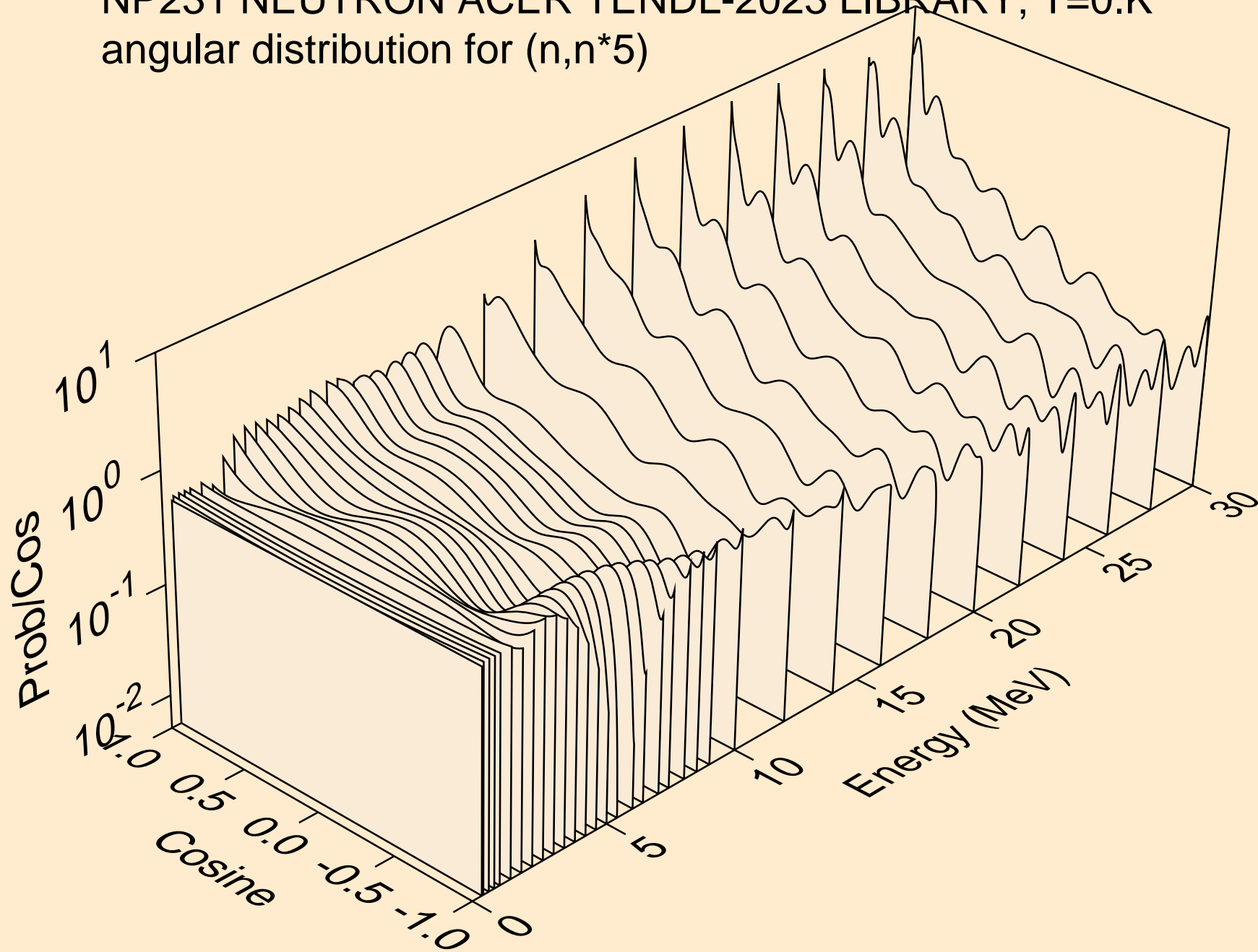
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angular distribution for (n,n*3)



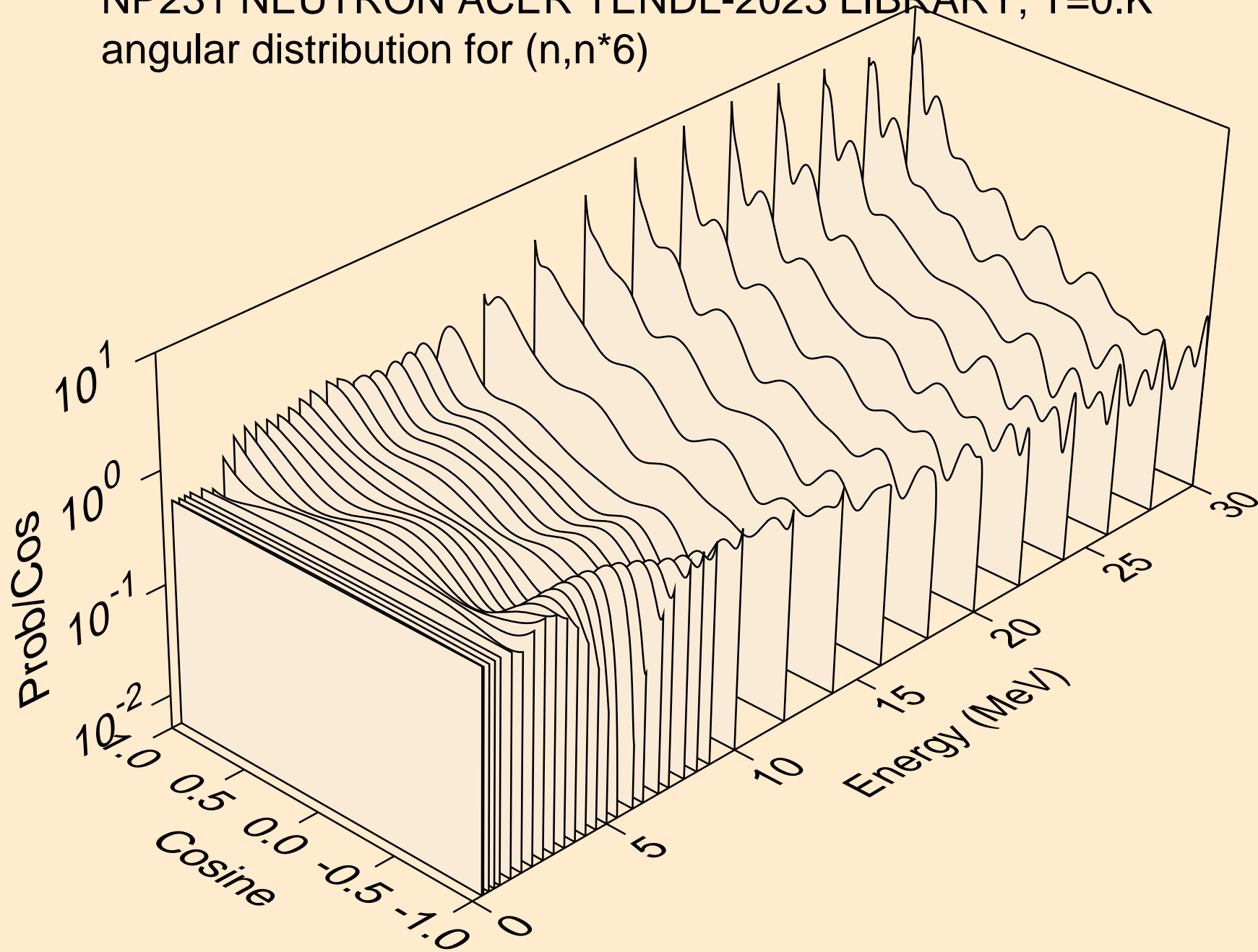
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angular distribution for (n,n*4)



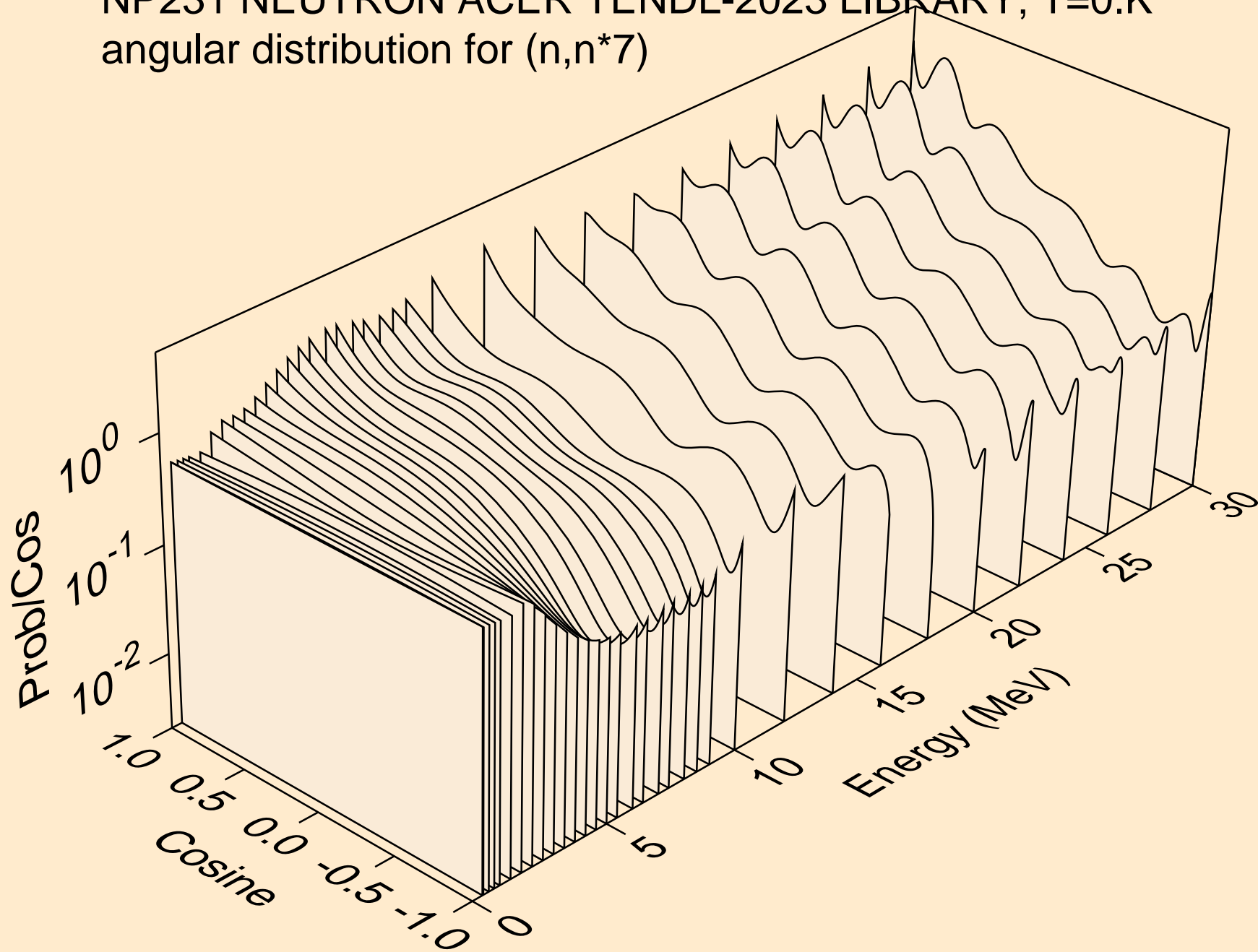
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*5)



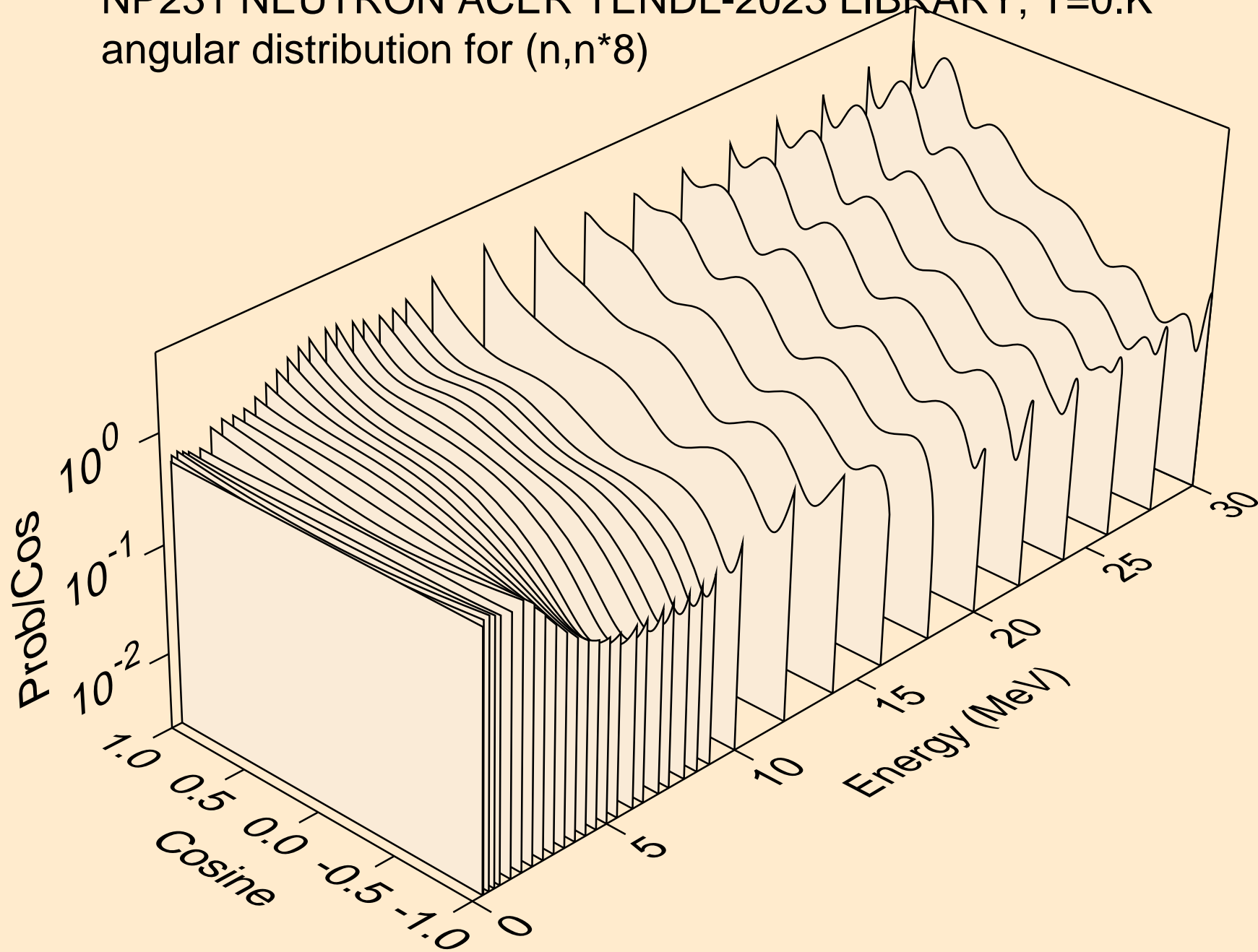
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angular distribution for (n,n*6)



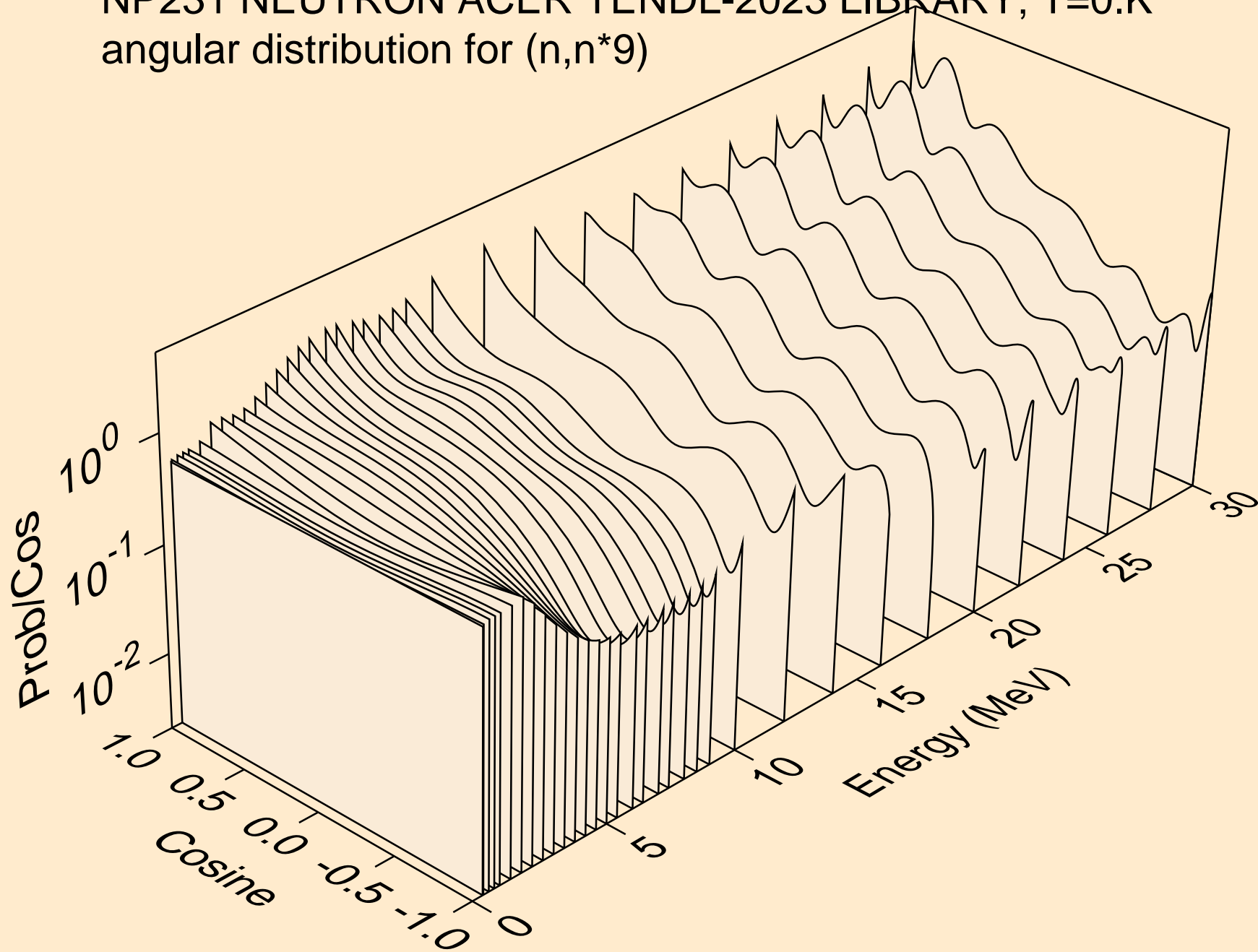
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angular distribution for (n,n*7)



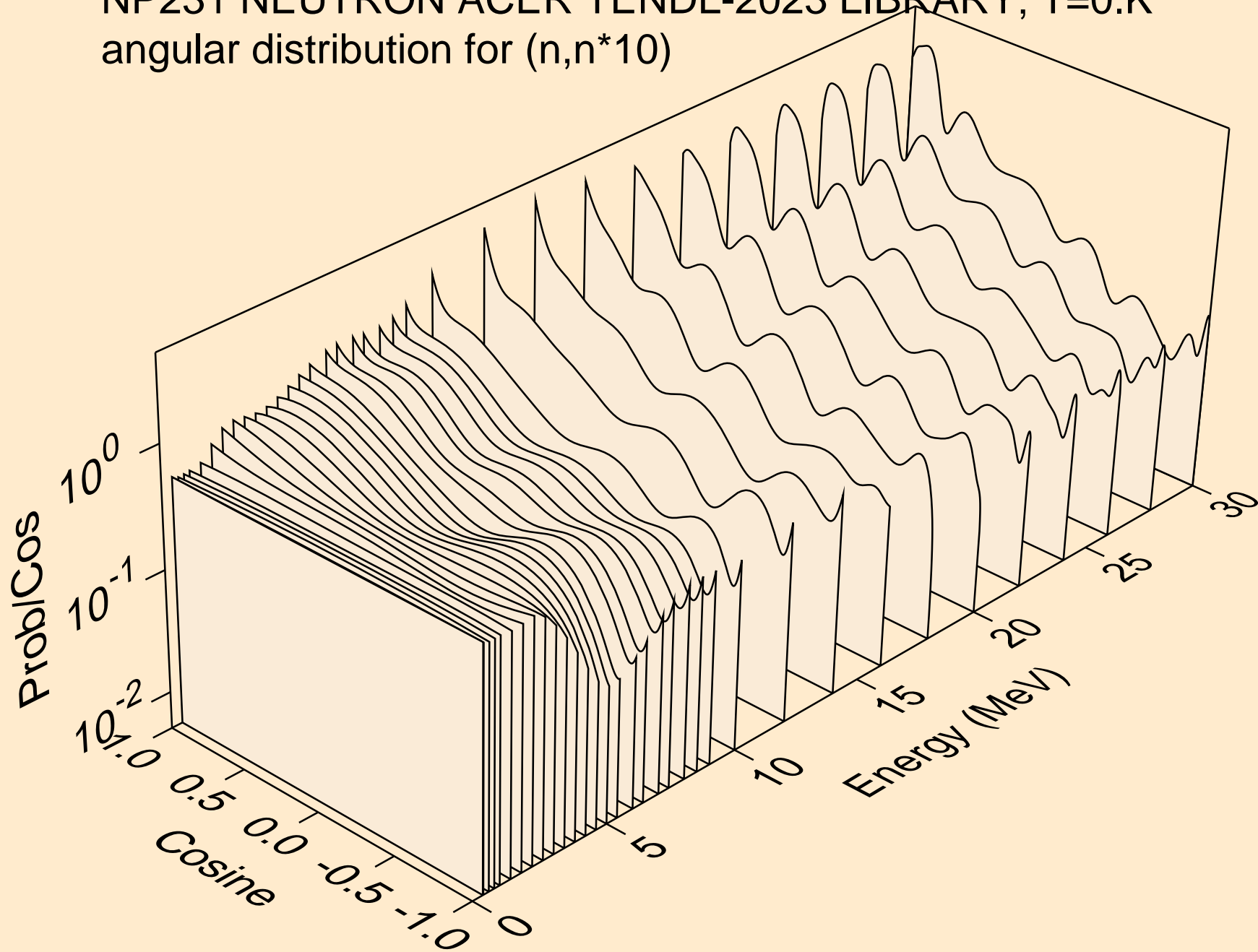
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*8)



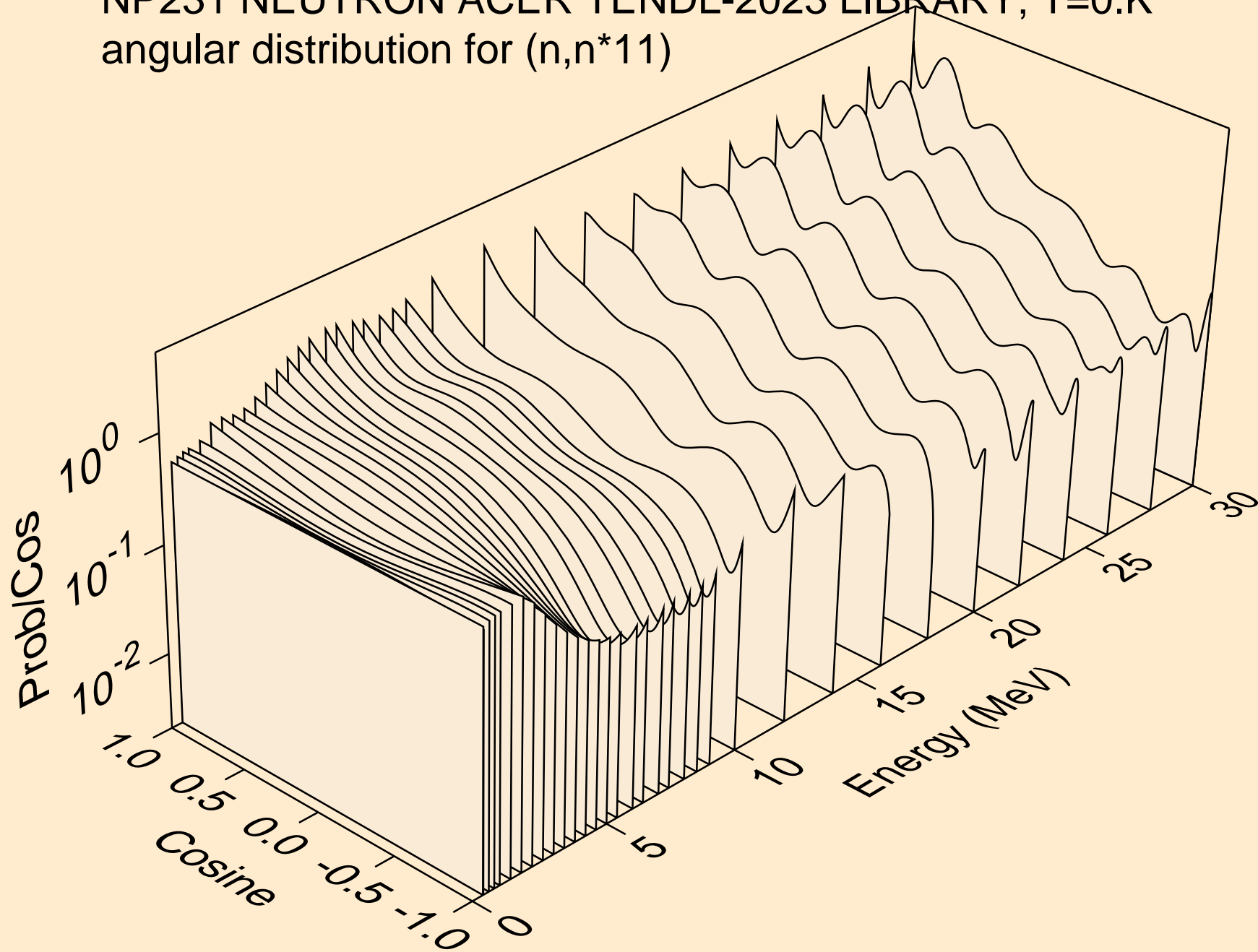
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angular distribution for (n,n*9)



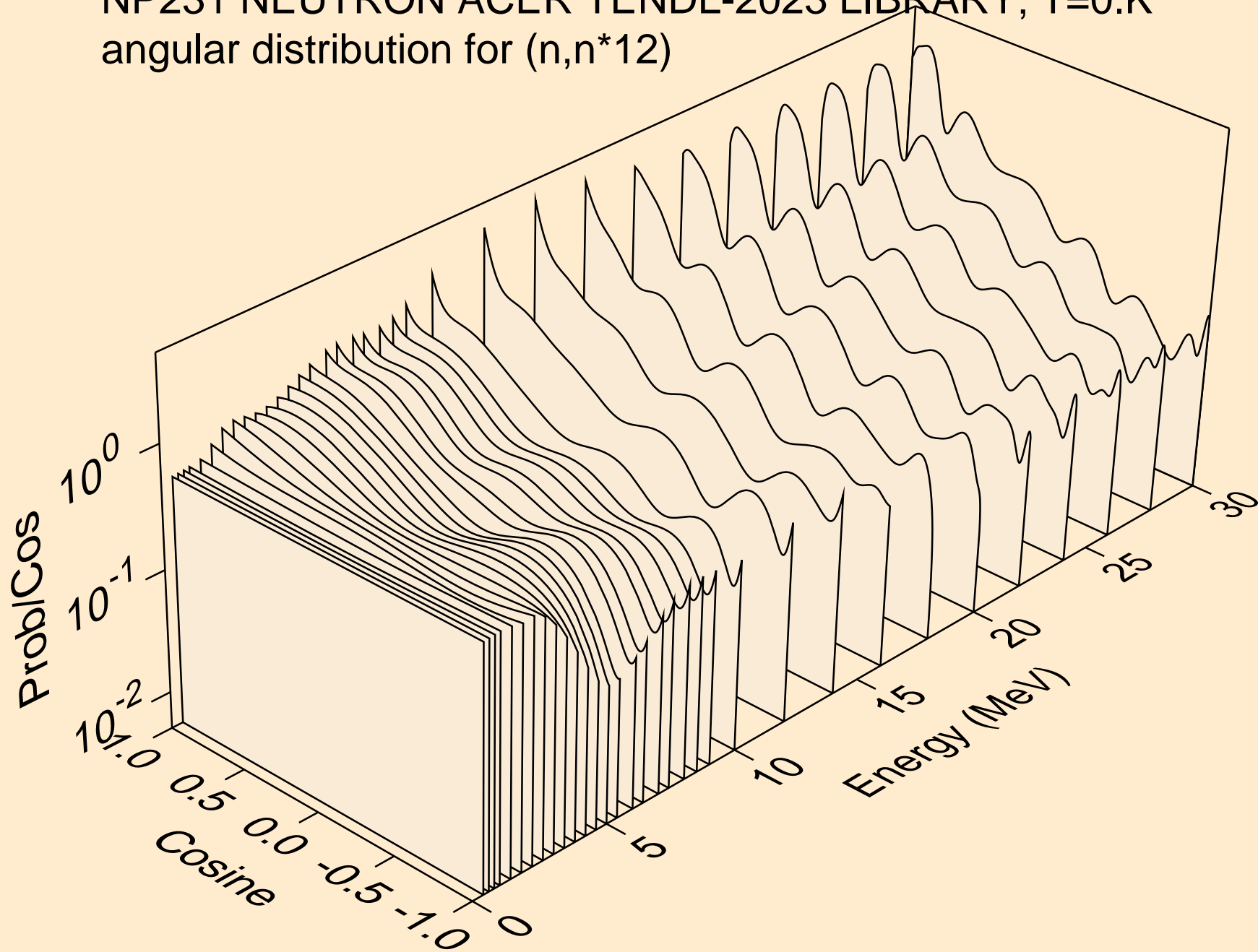
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angular distribution for (n,n*10)



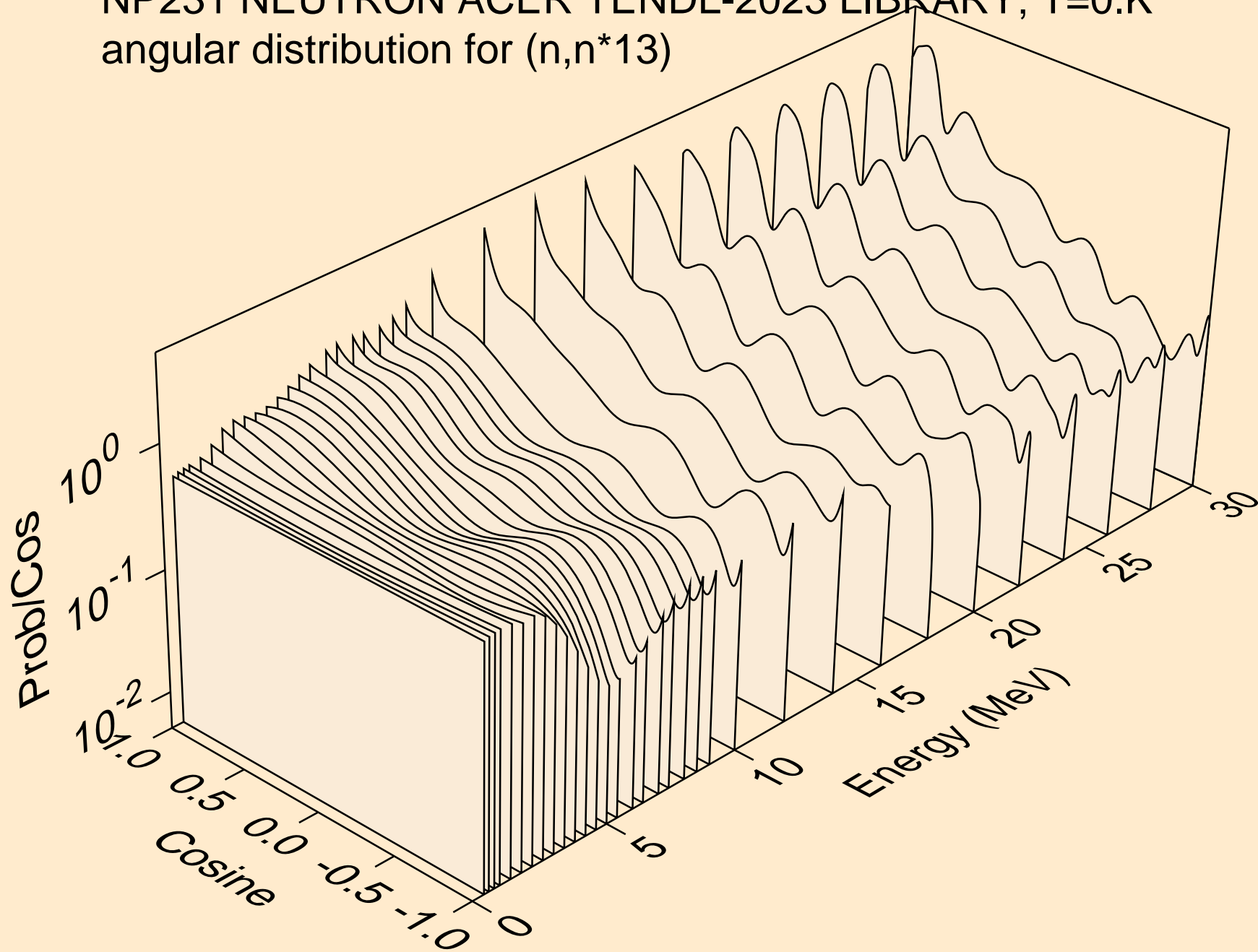
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angular distribution for (n,n*11)



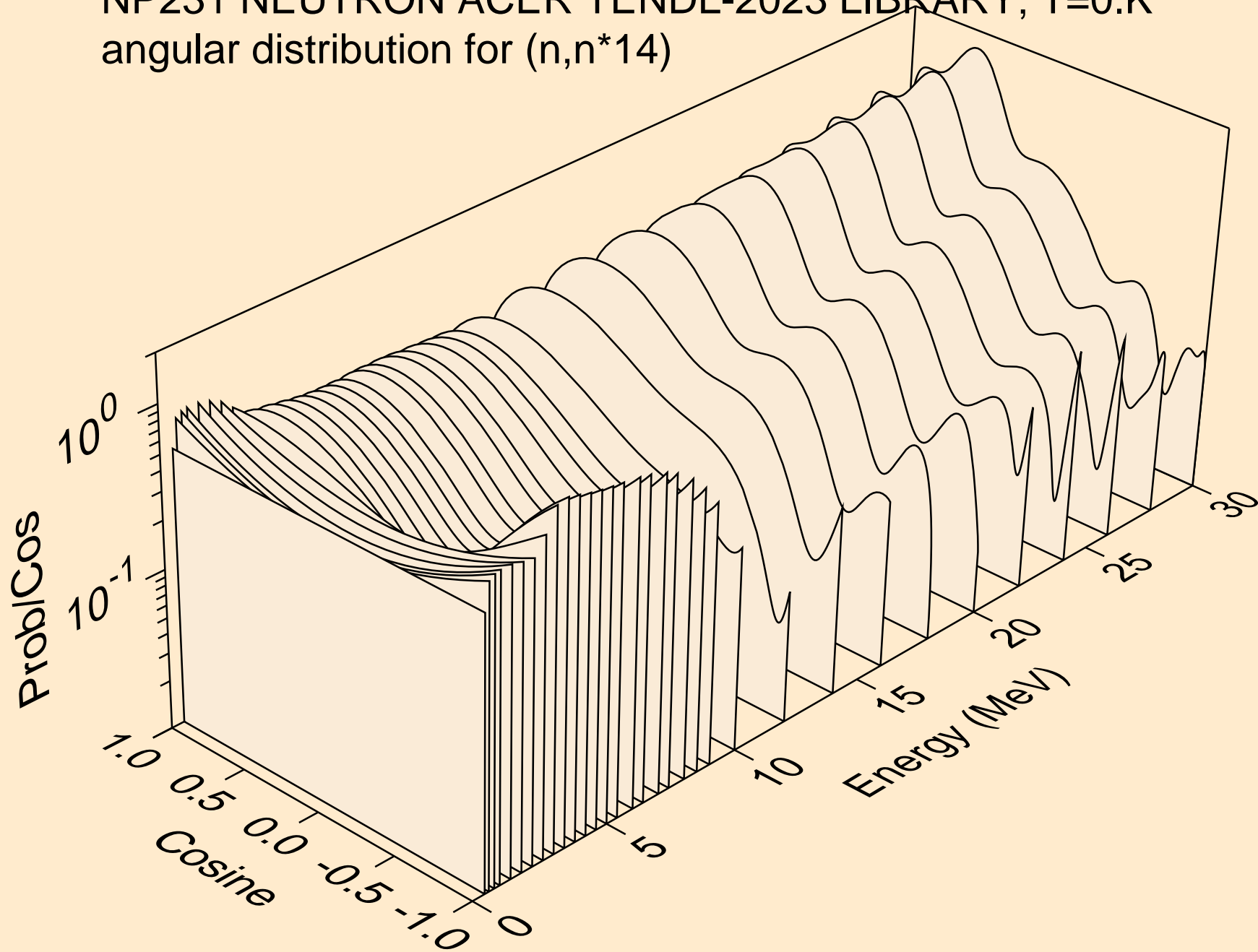
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angular distribution for (n,n*12)



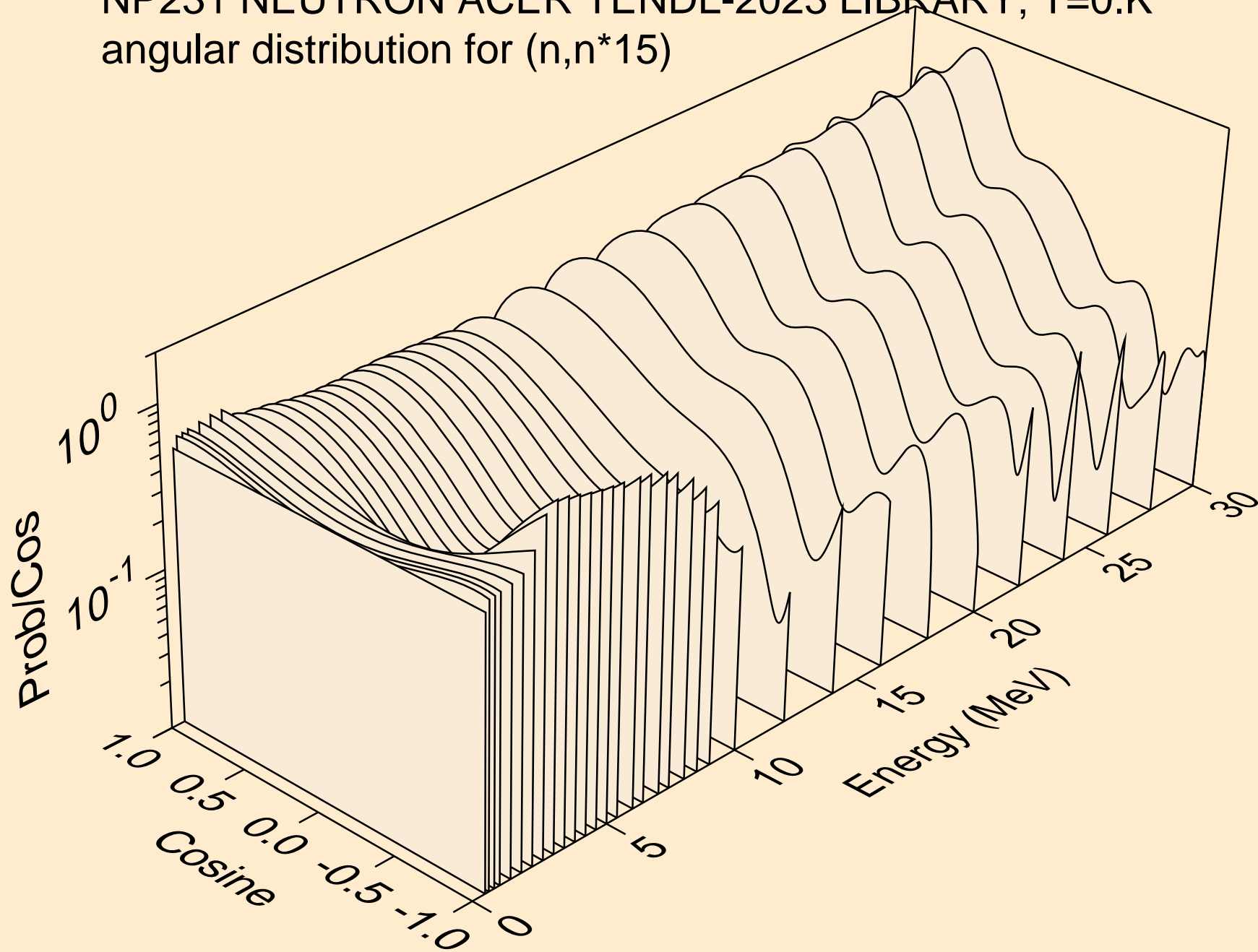
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angular distribution for (n,n*13)



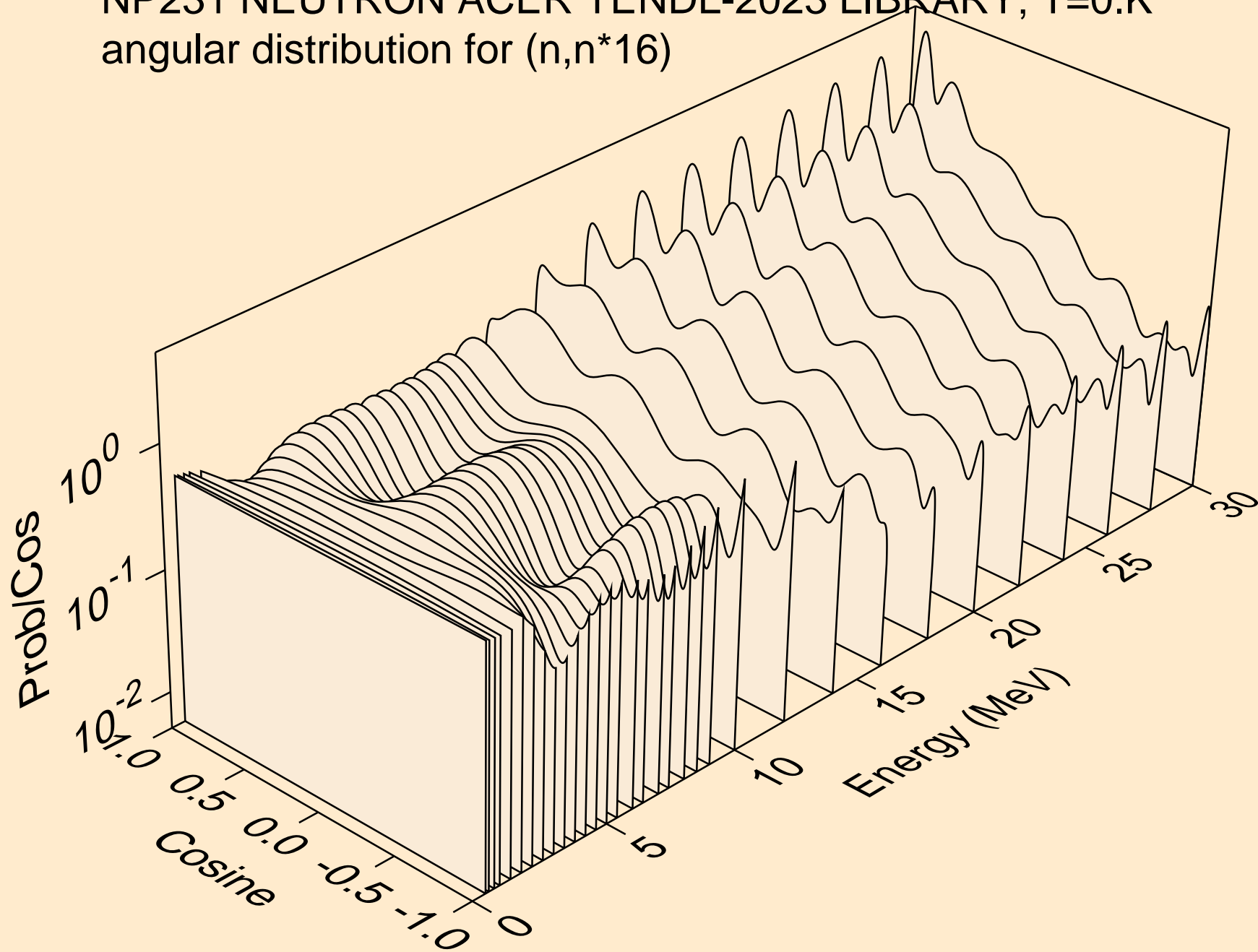
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angular distribution for (n,n*14)



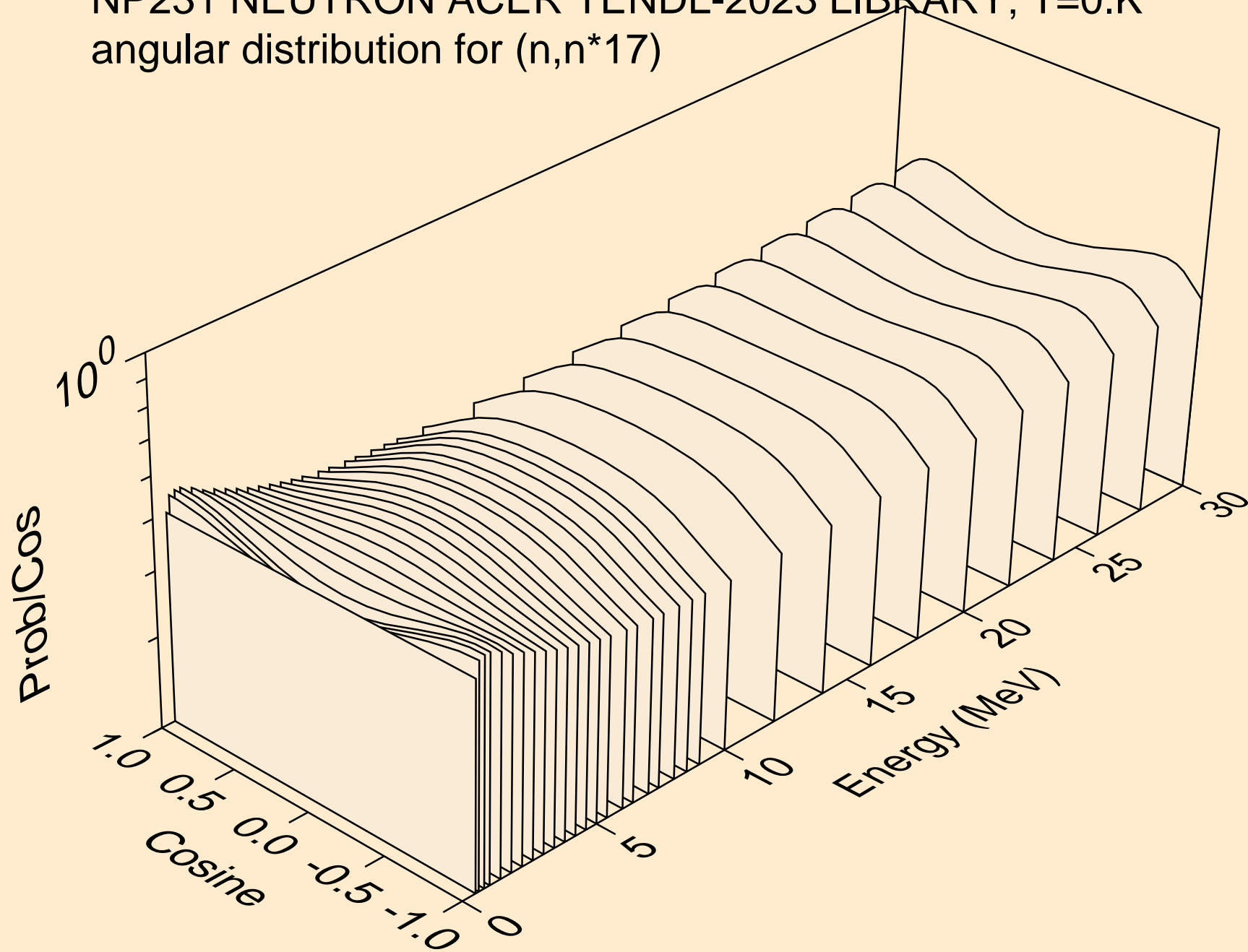
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angular distribution for (n,n*15)



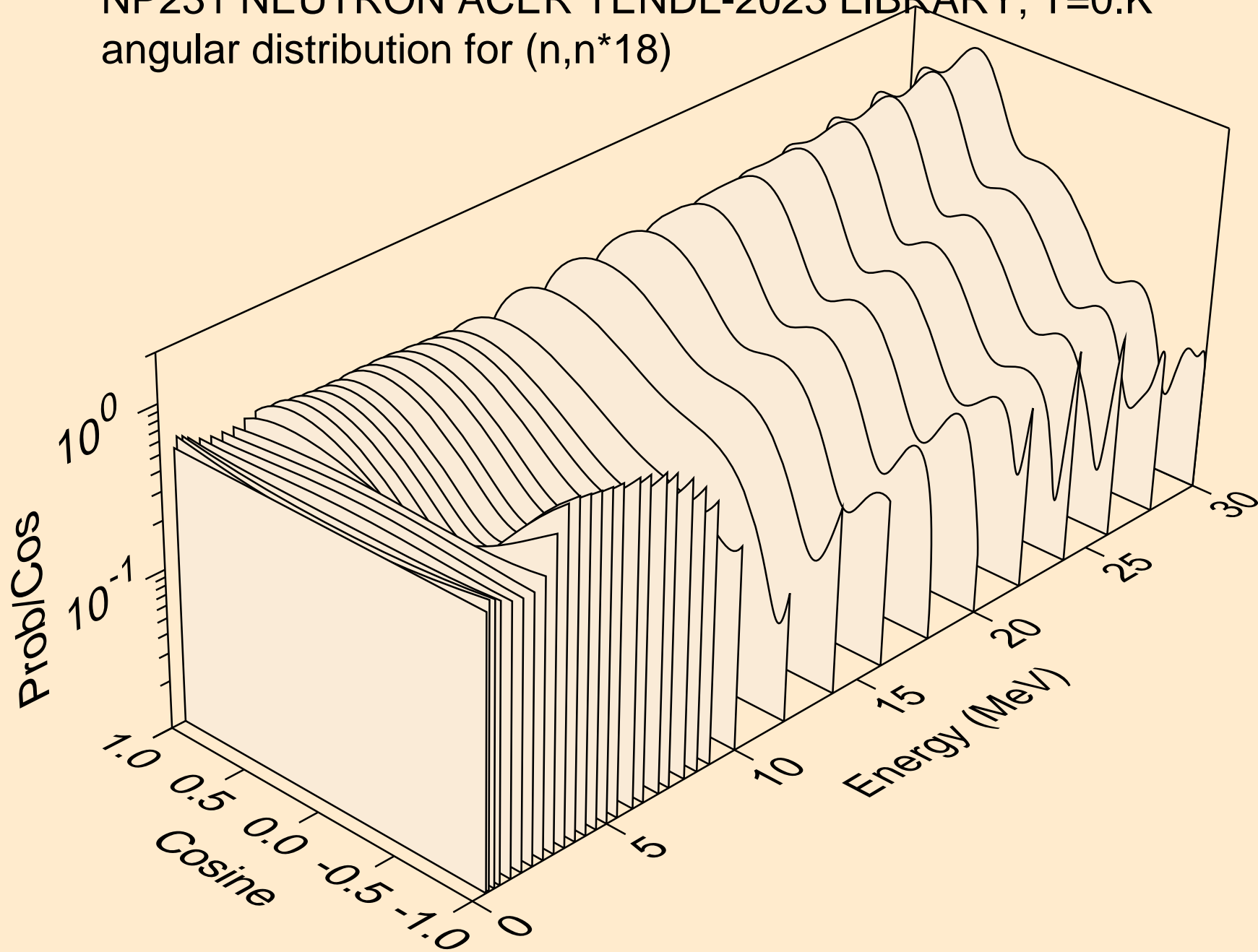
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angular distribution for (n,n*16)



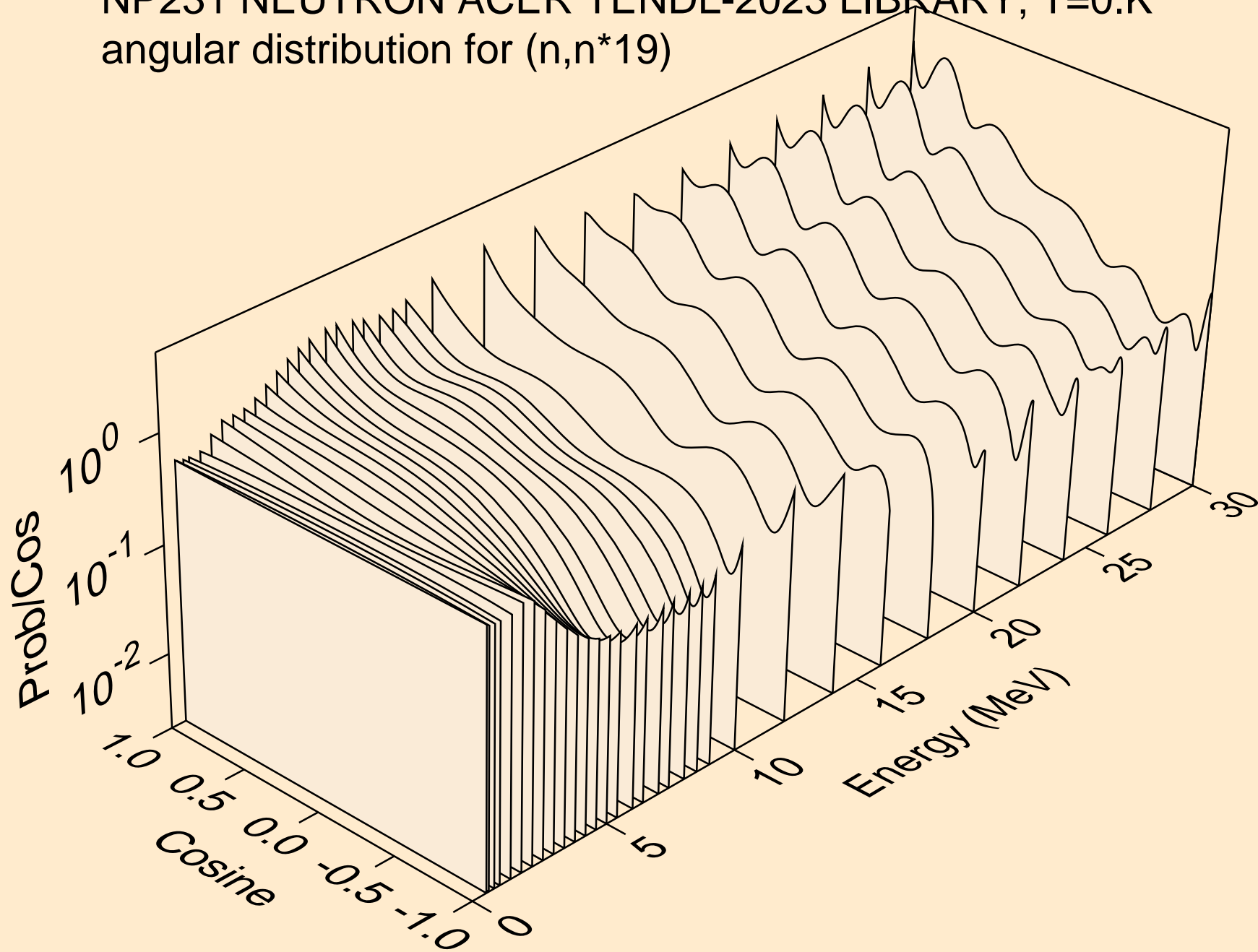
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angular distribution for (n,n*17)



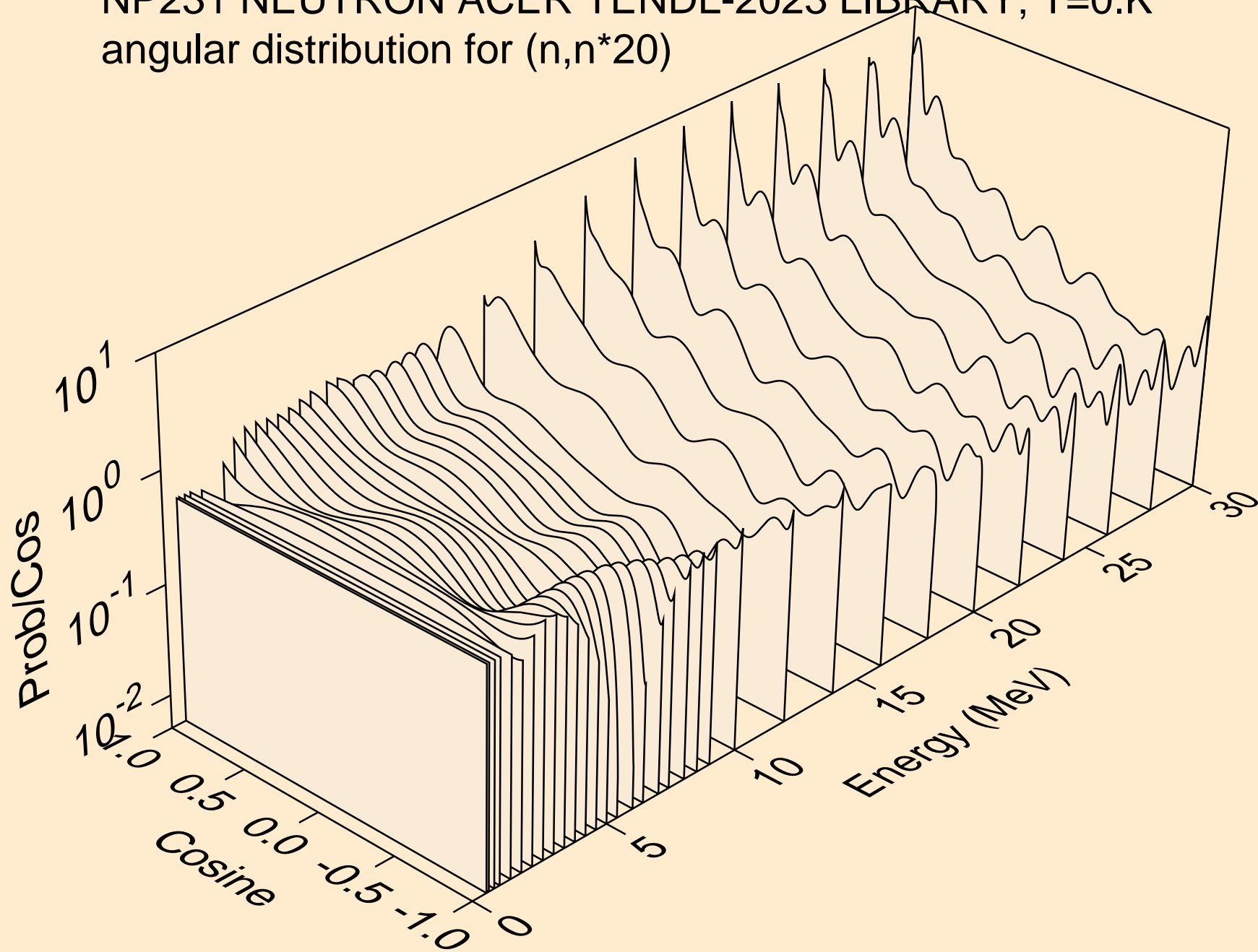
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angular distribution for (n,n*18)



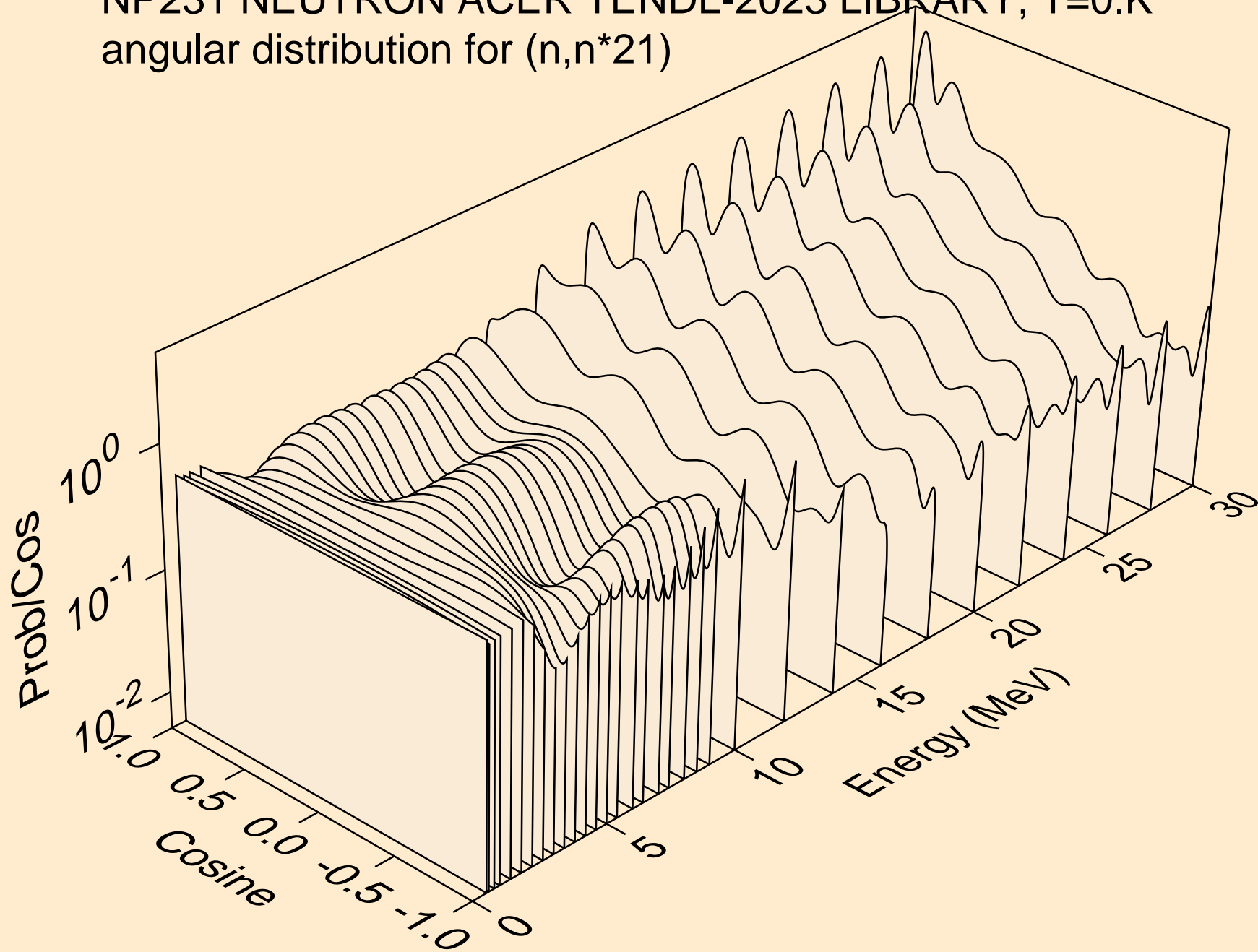
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angular distribution for (n,n*19)



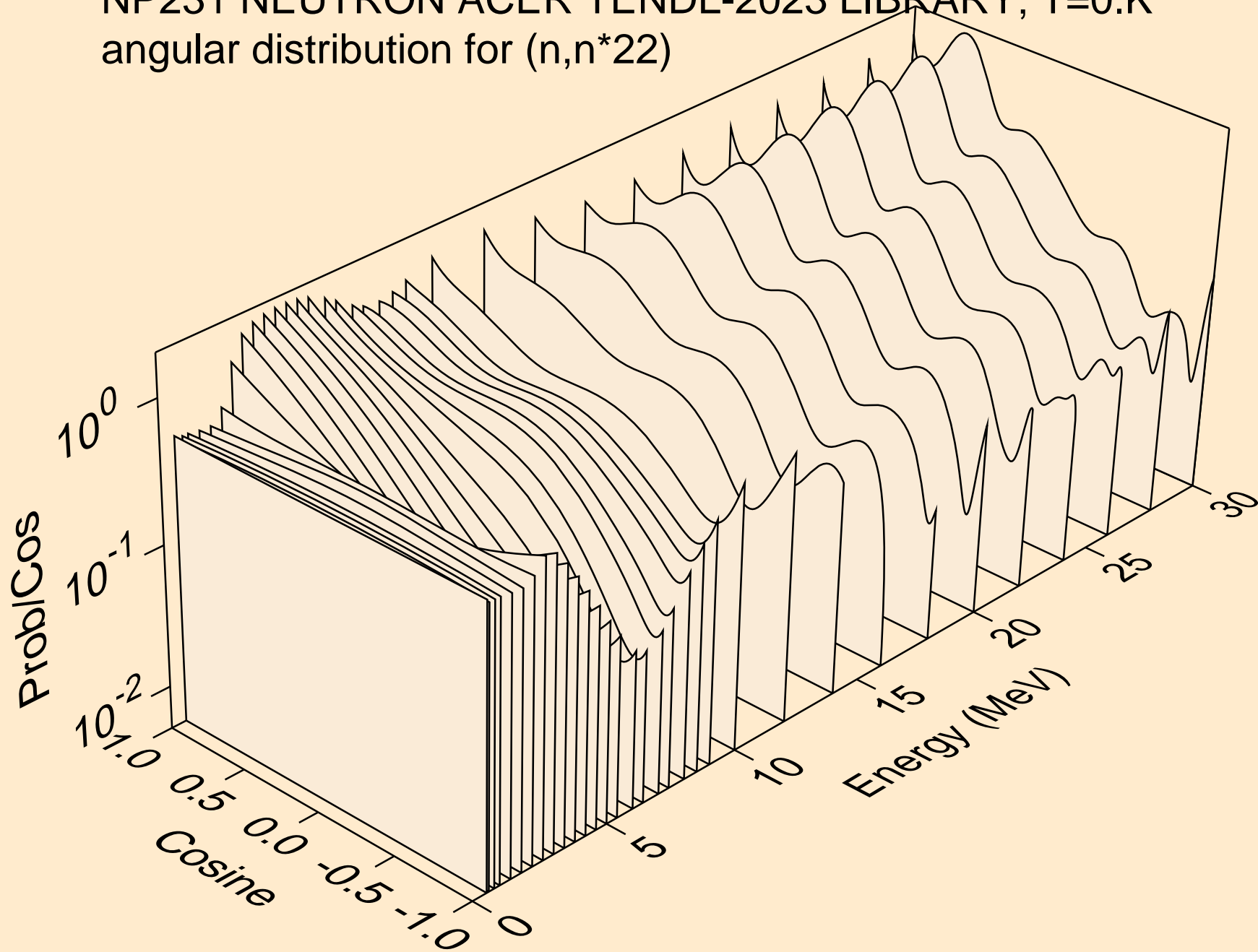
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angular distribution for (n,n*20)



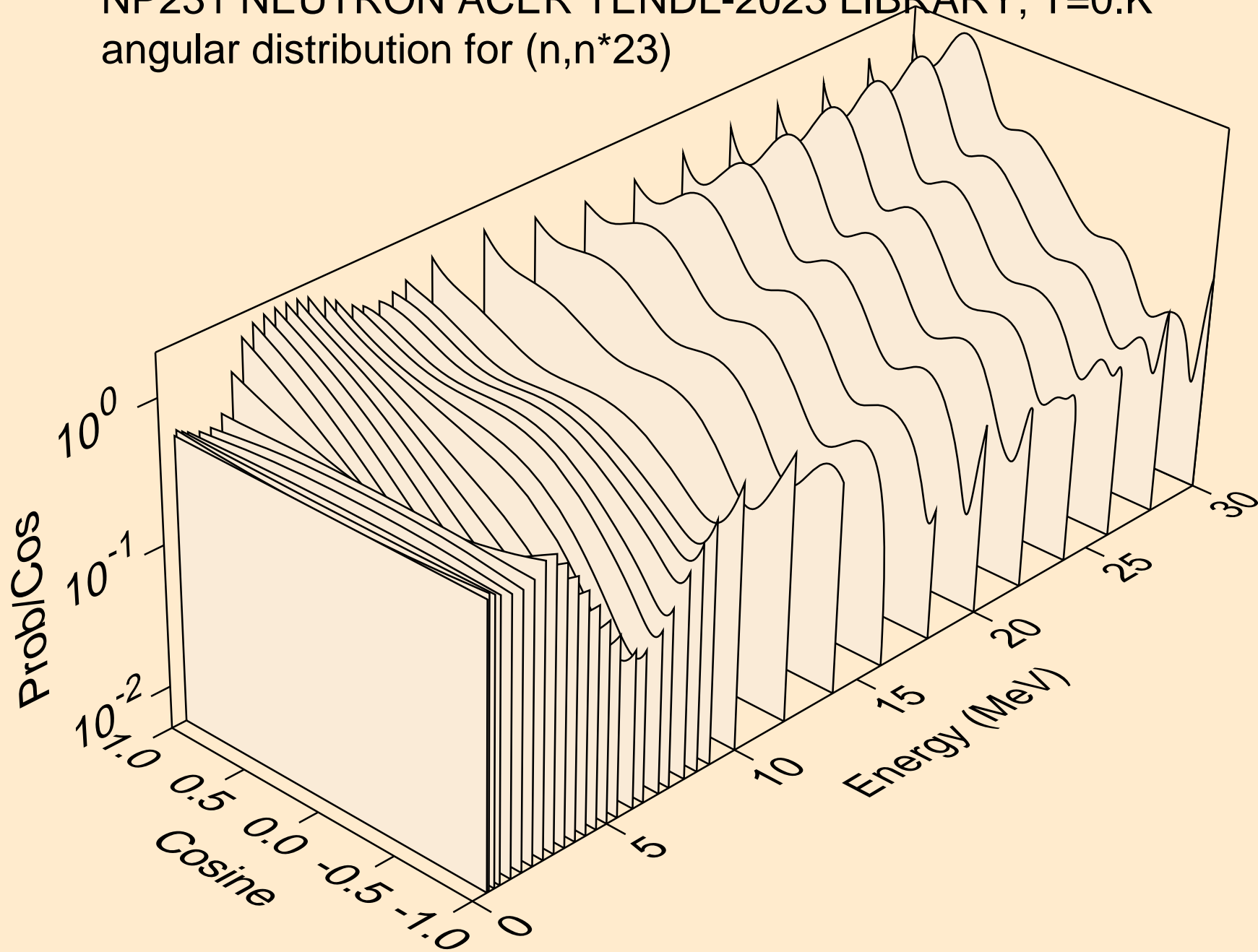
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angular distribution for (n,n*21)



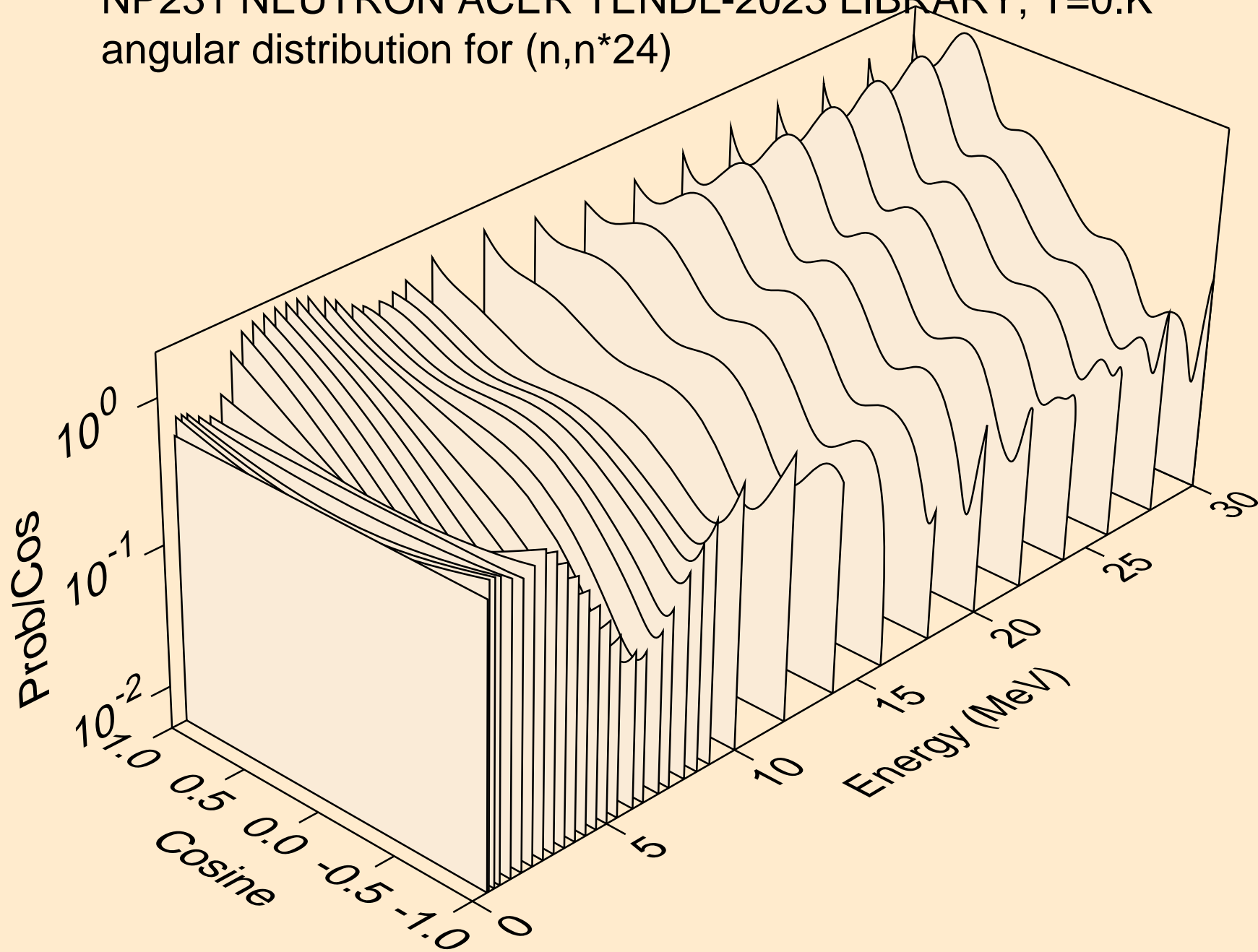
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angular distribution for (n,n*22)



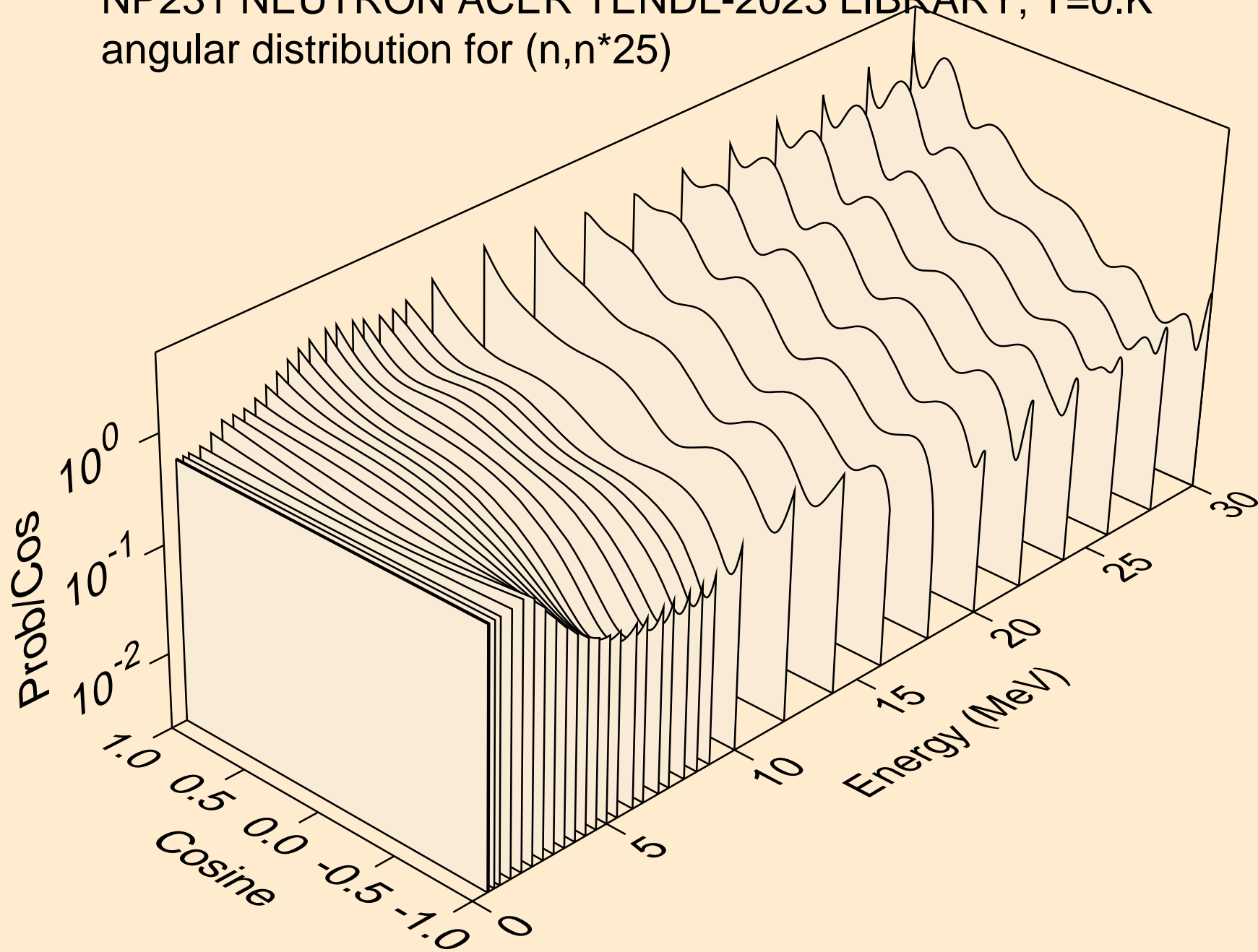
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angular distribution for (n,n*23)



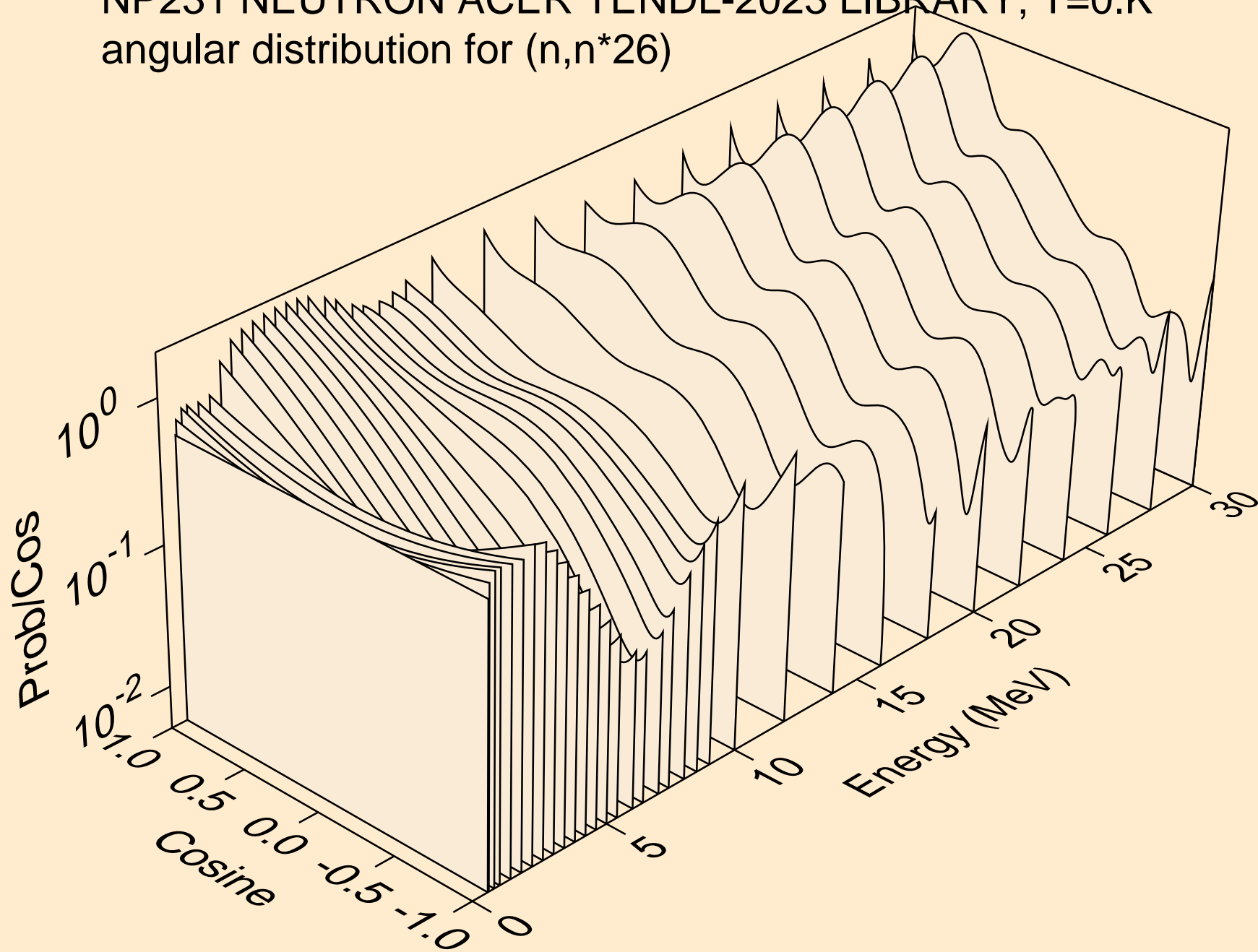
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angular distribution for (n,n*24)



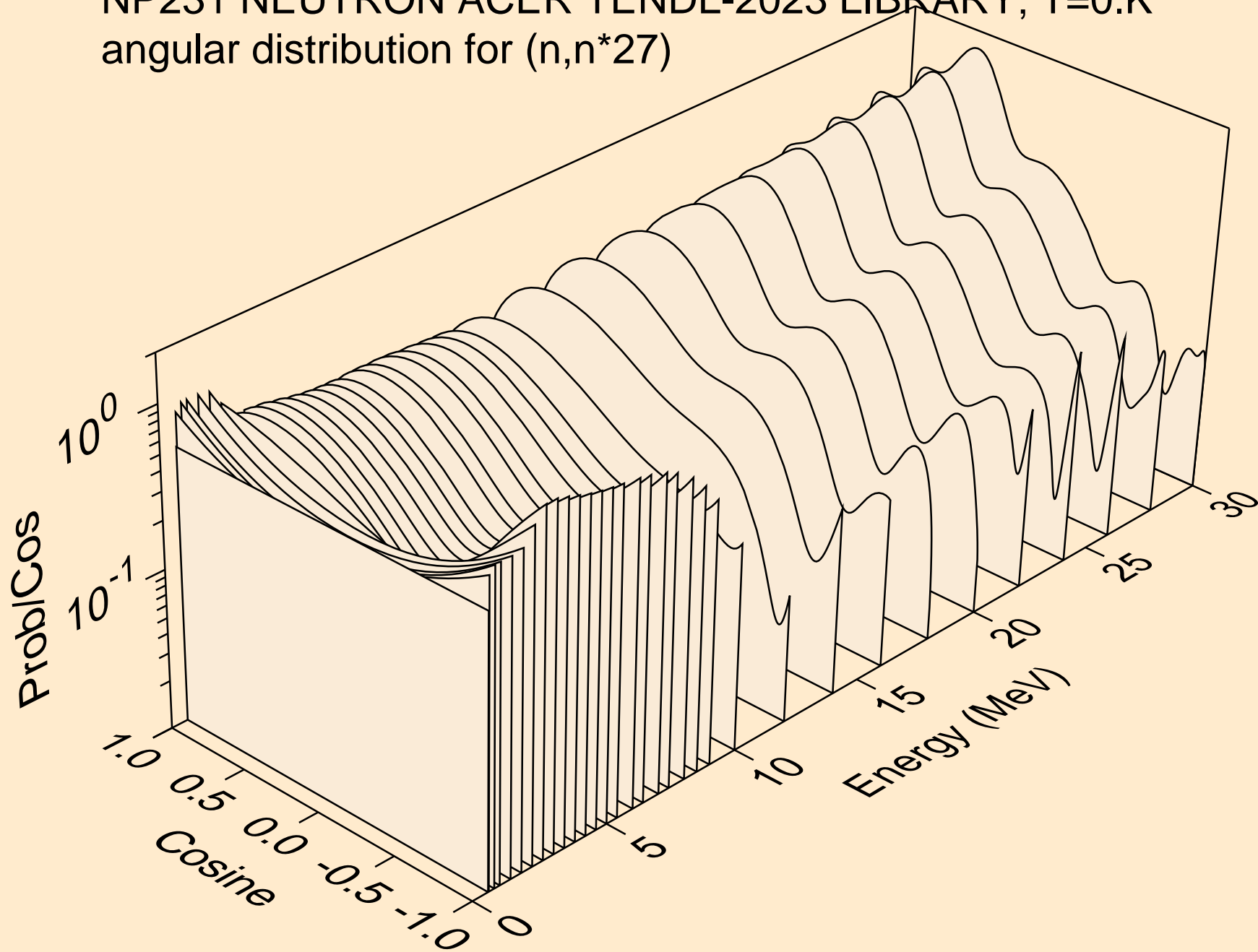
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*25)



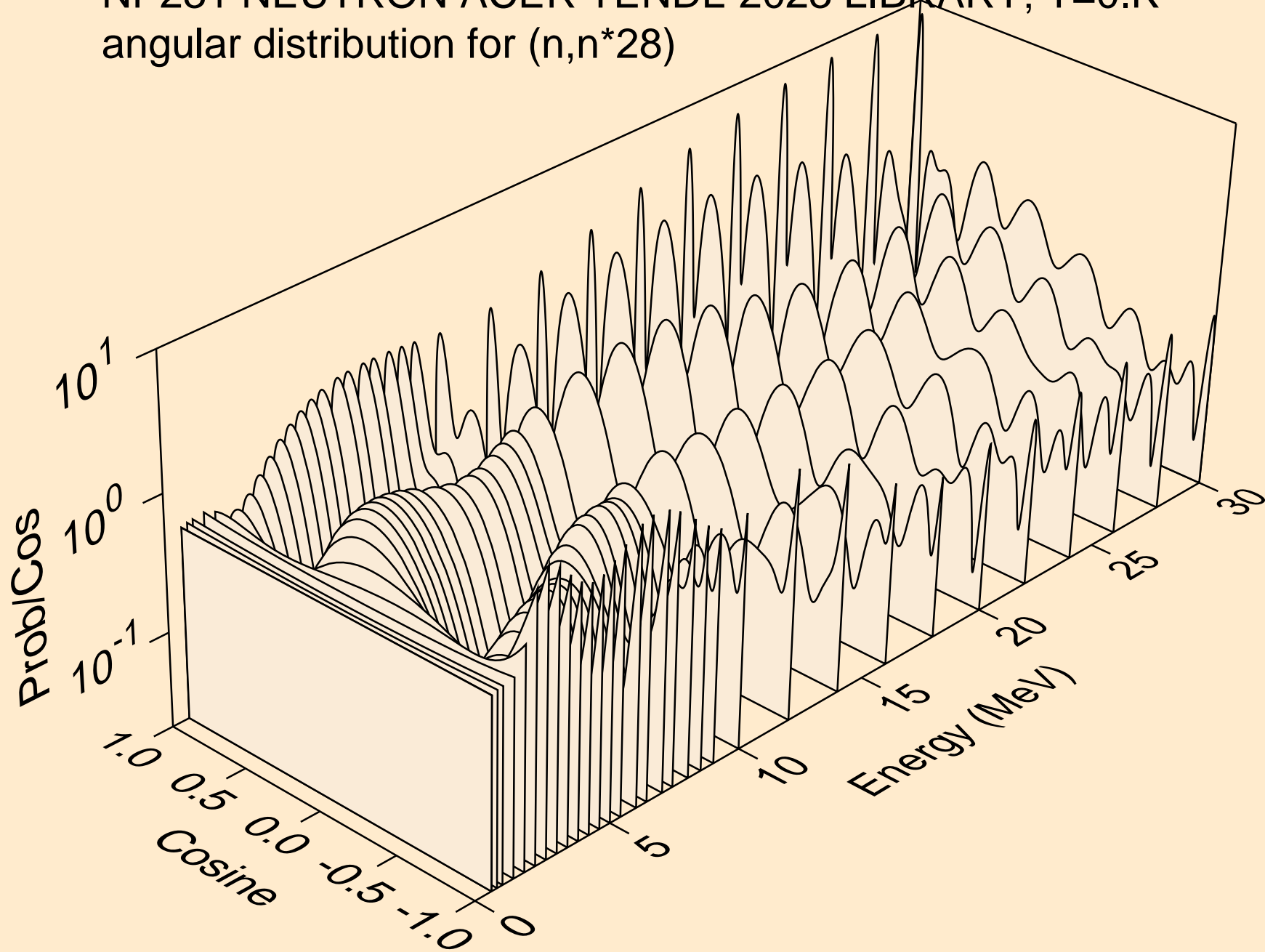
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angular distribution for (n,n*26)



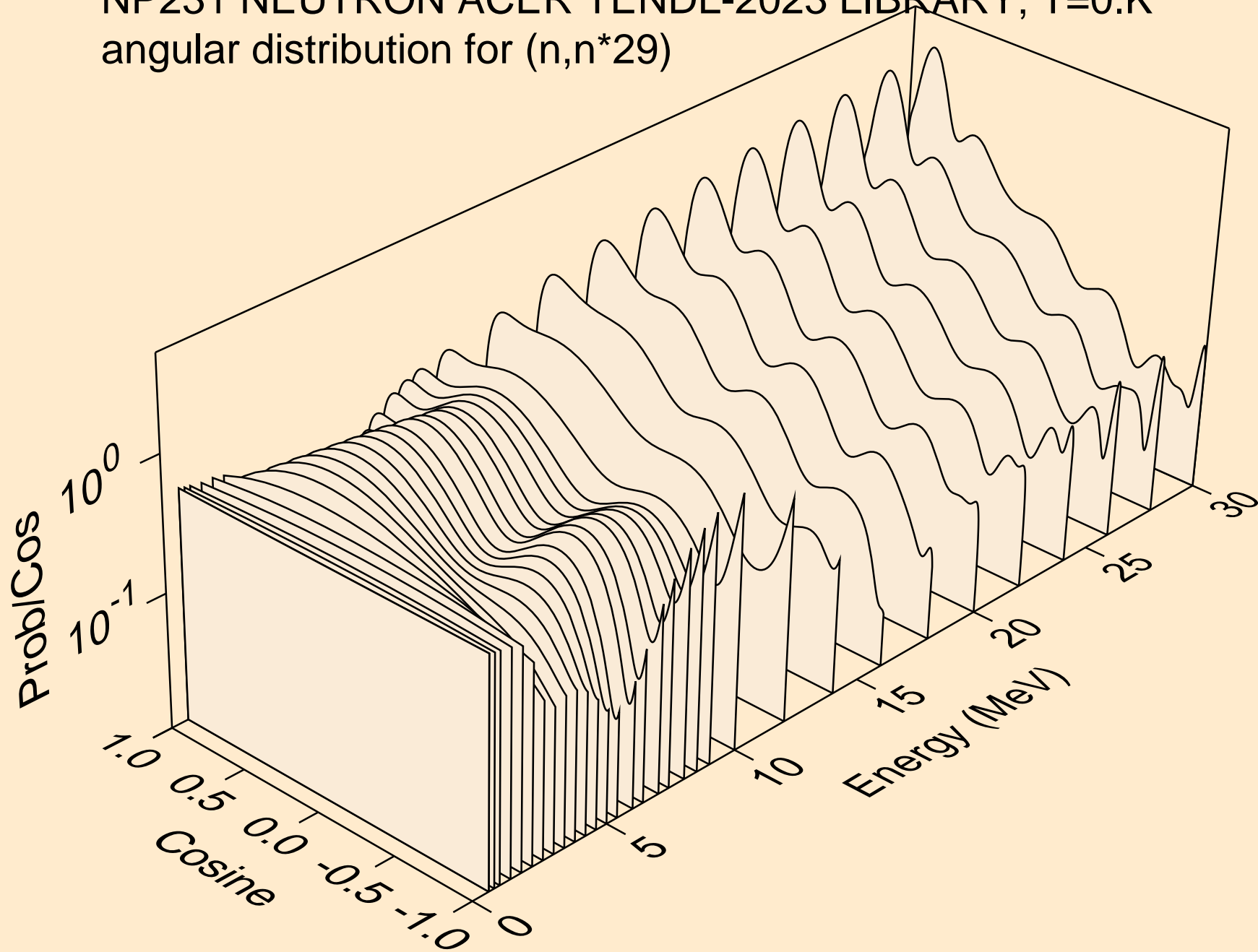
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*27)



NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*28)

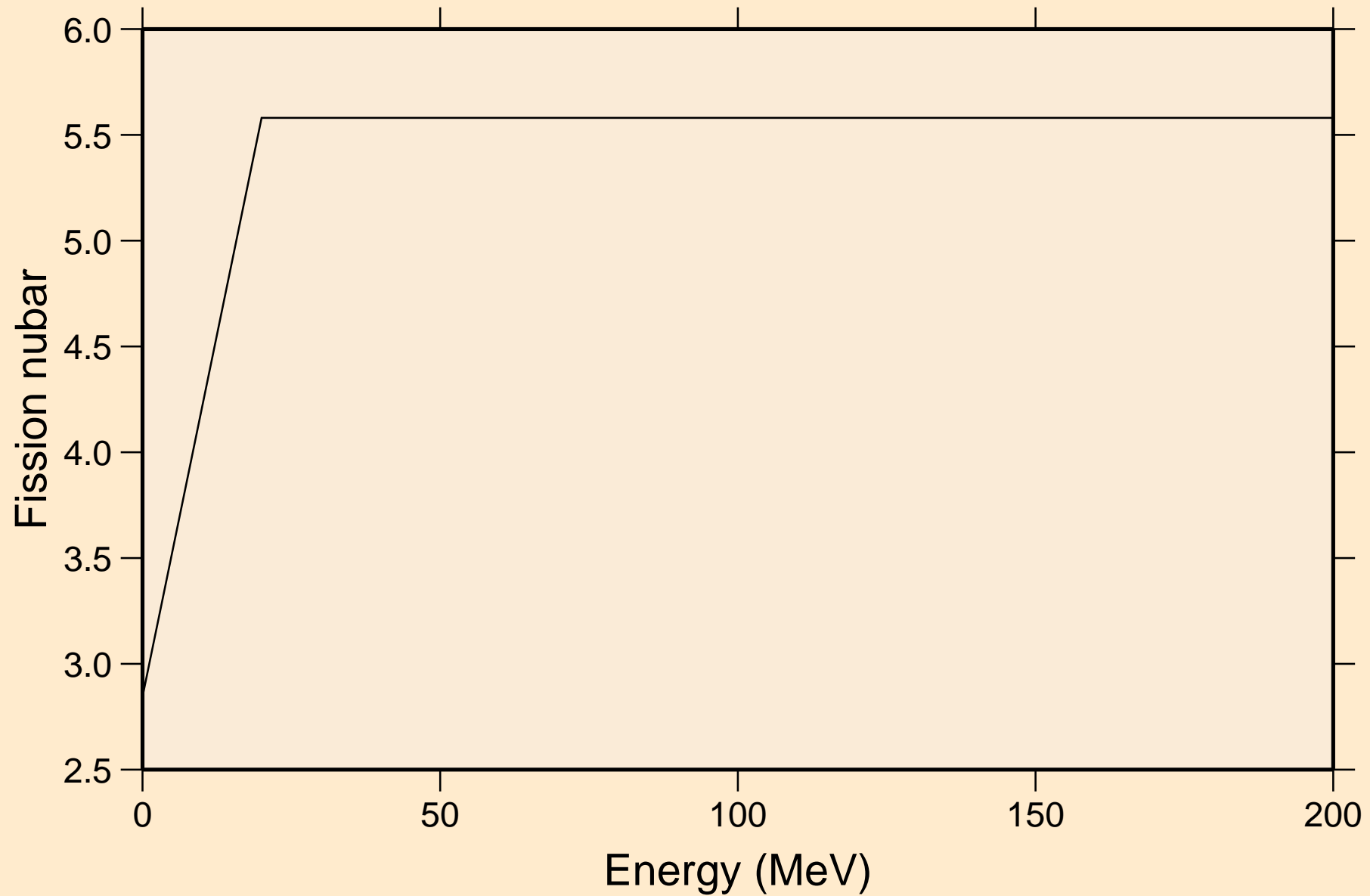


NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for (n,n*29)

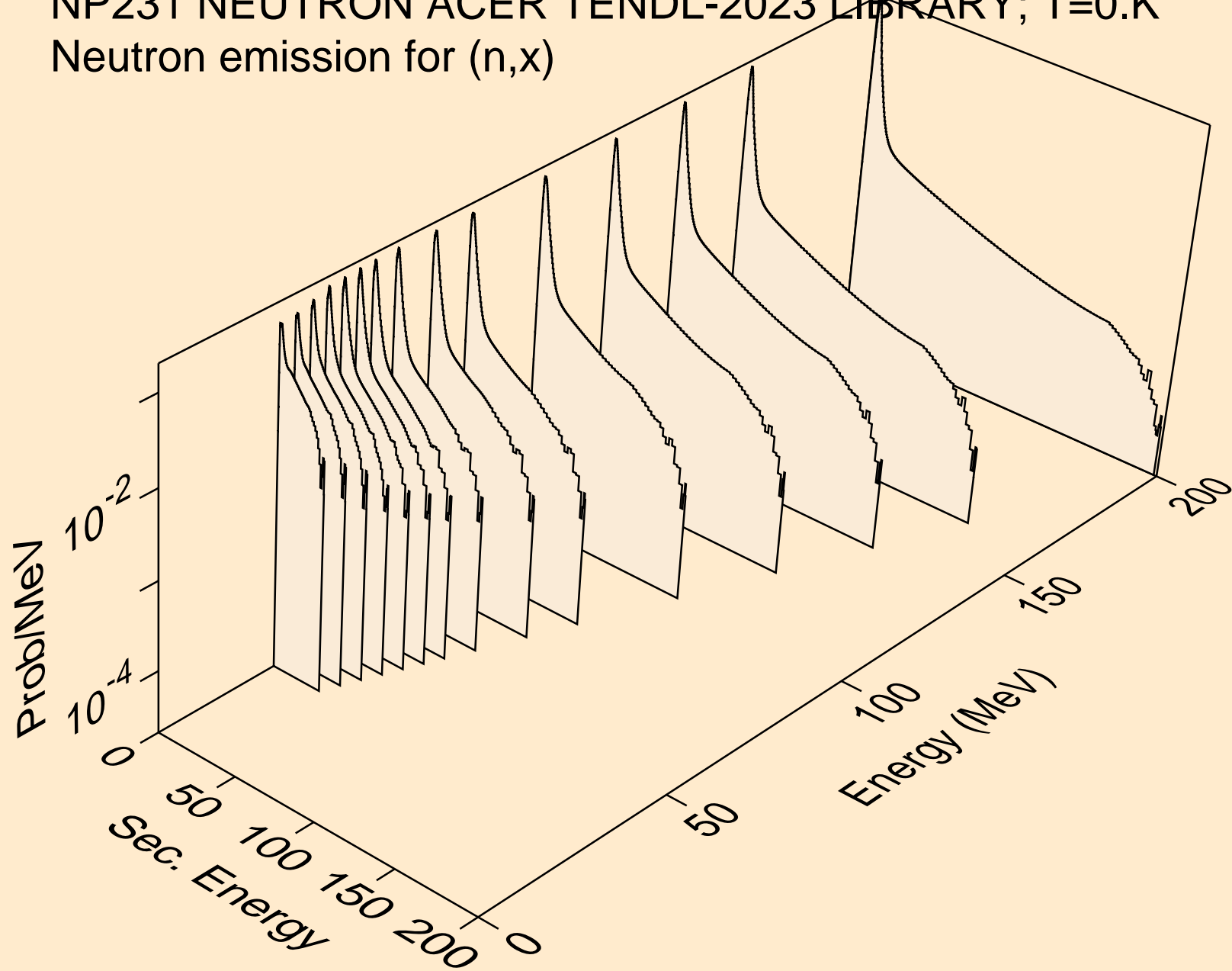


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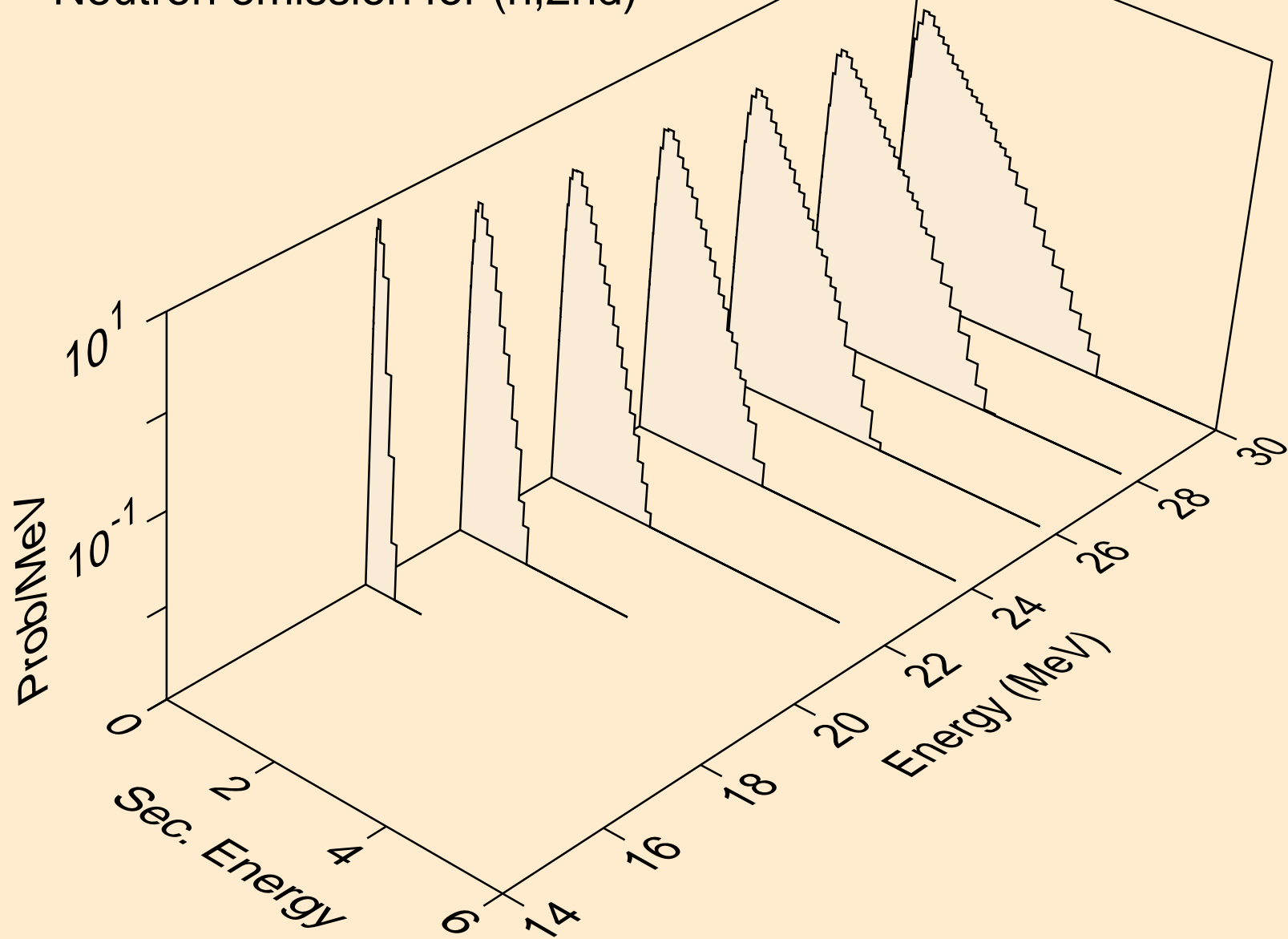
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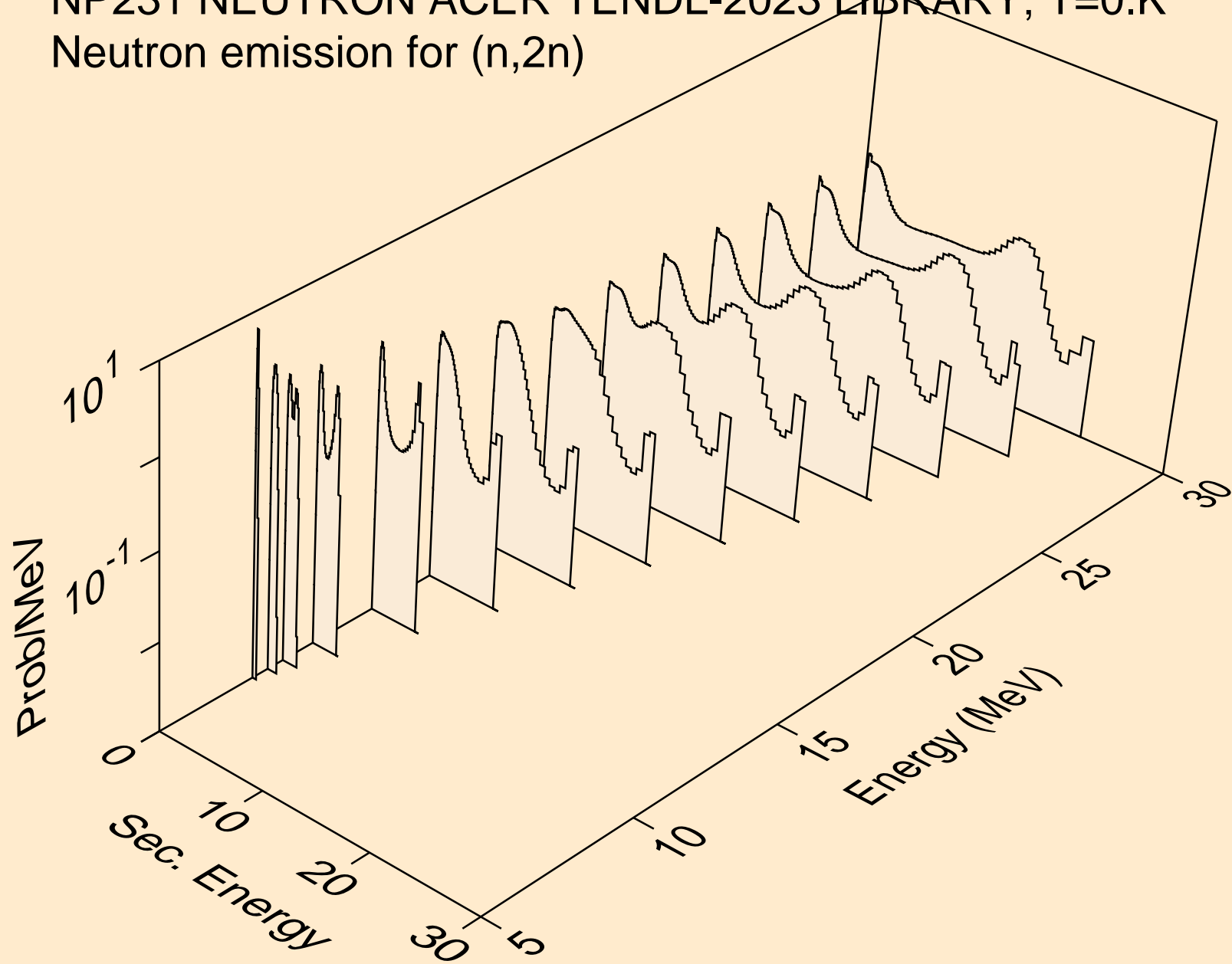
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,x)



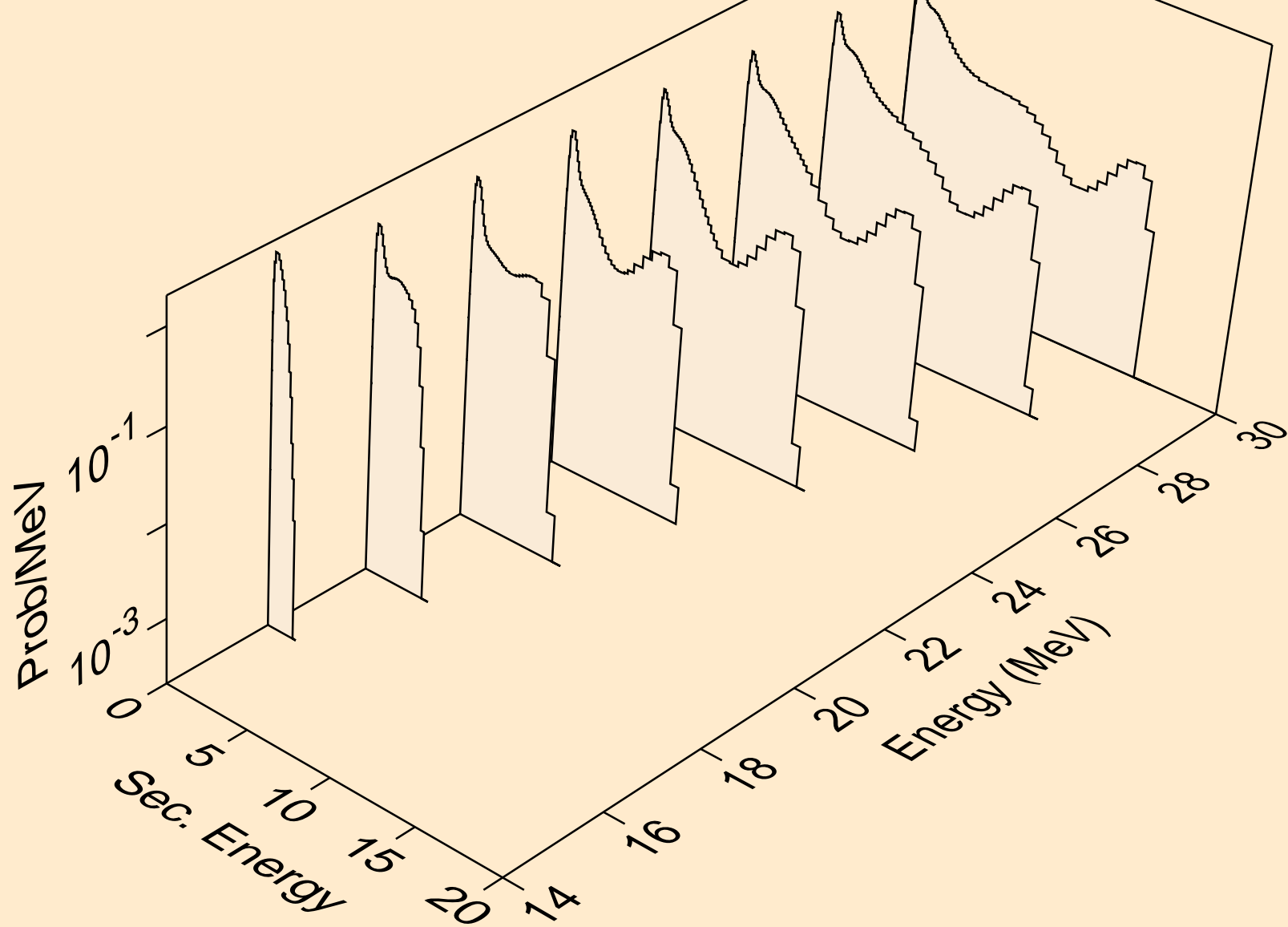
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2nd)



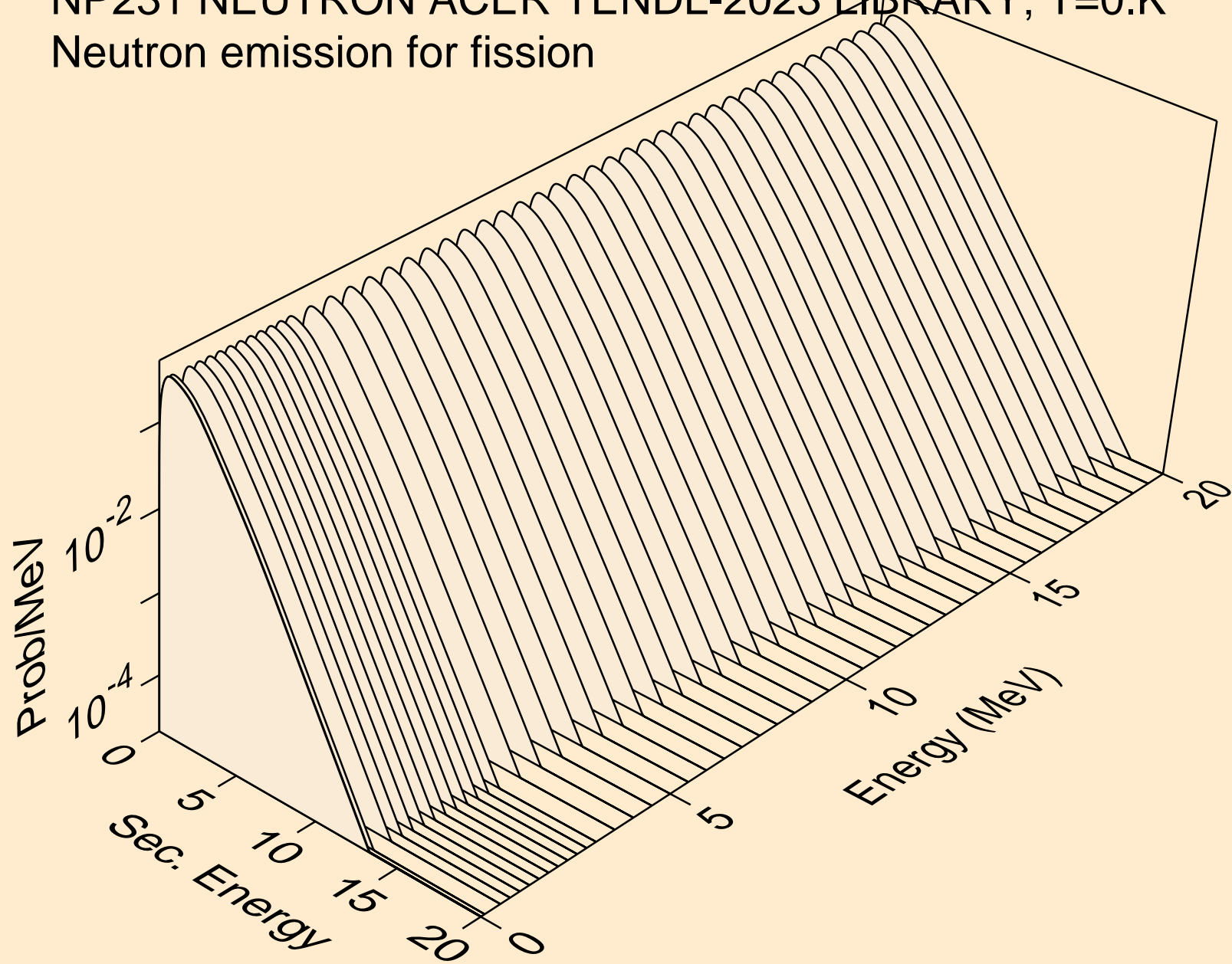
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)



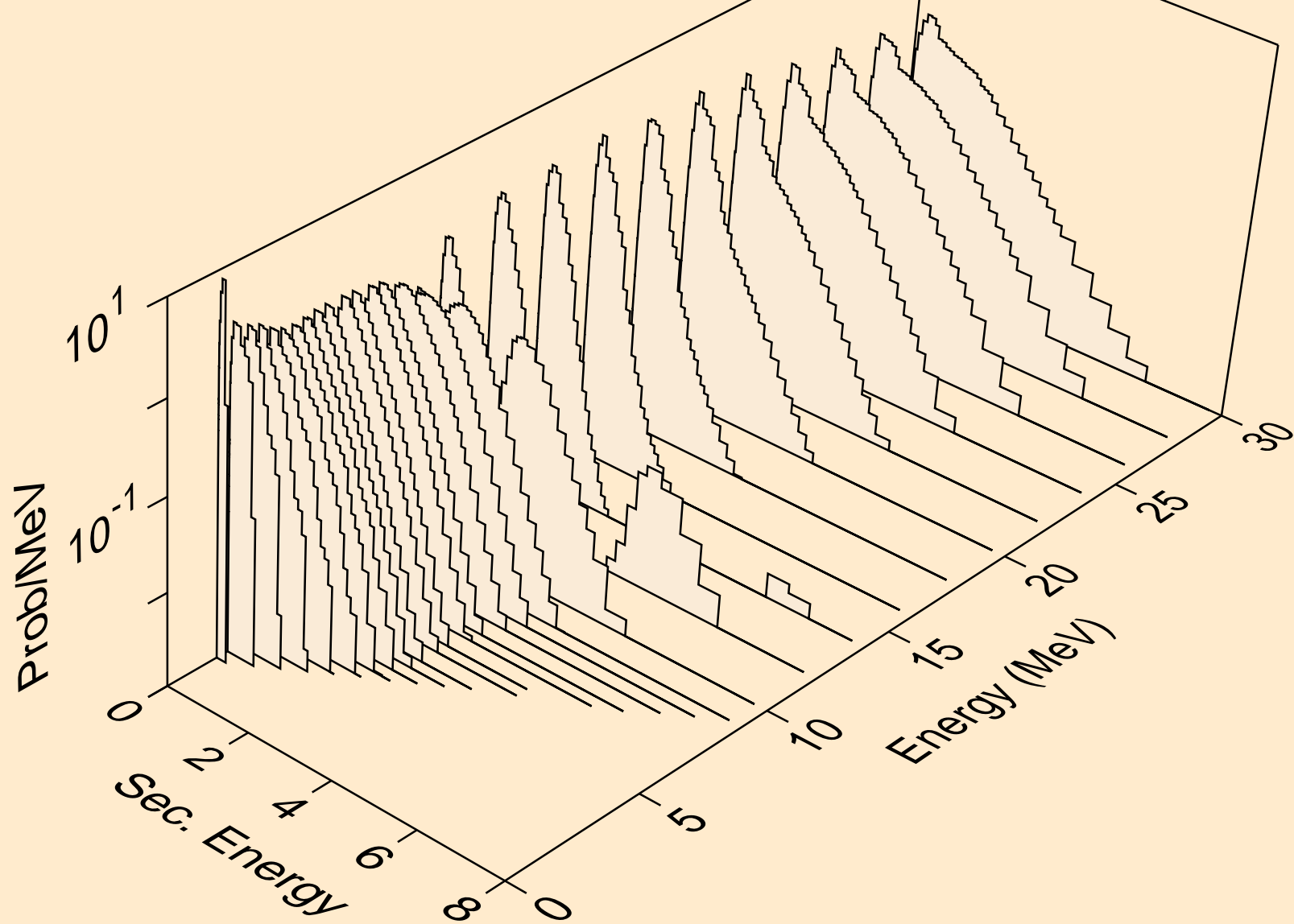
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3n)



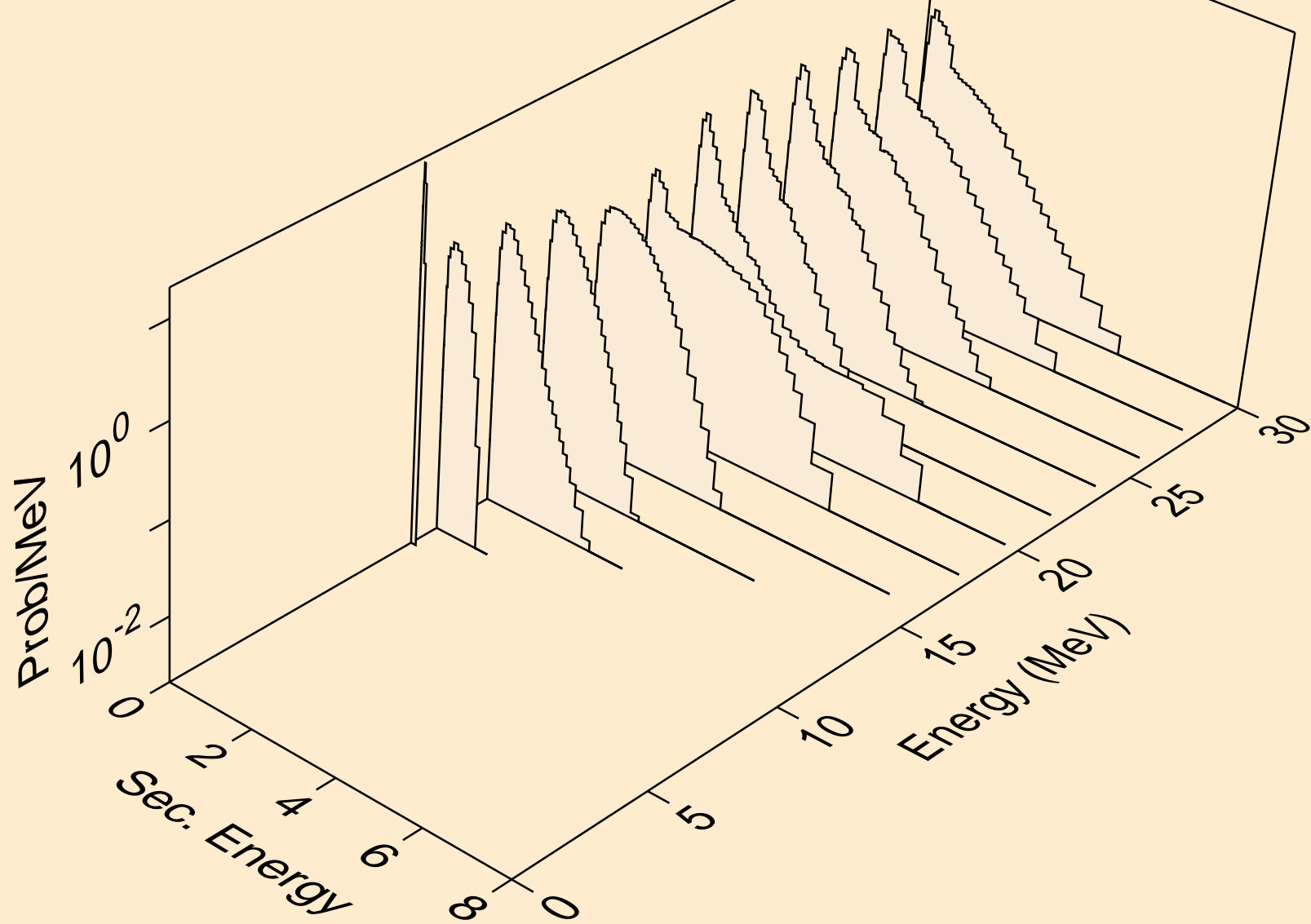
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for fission



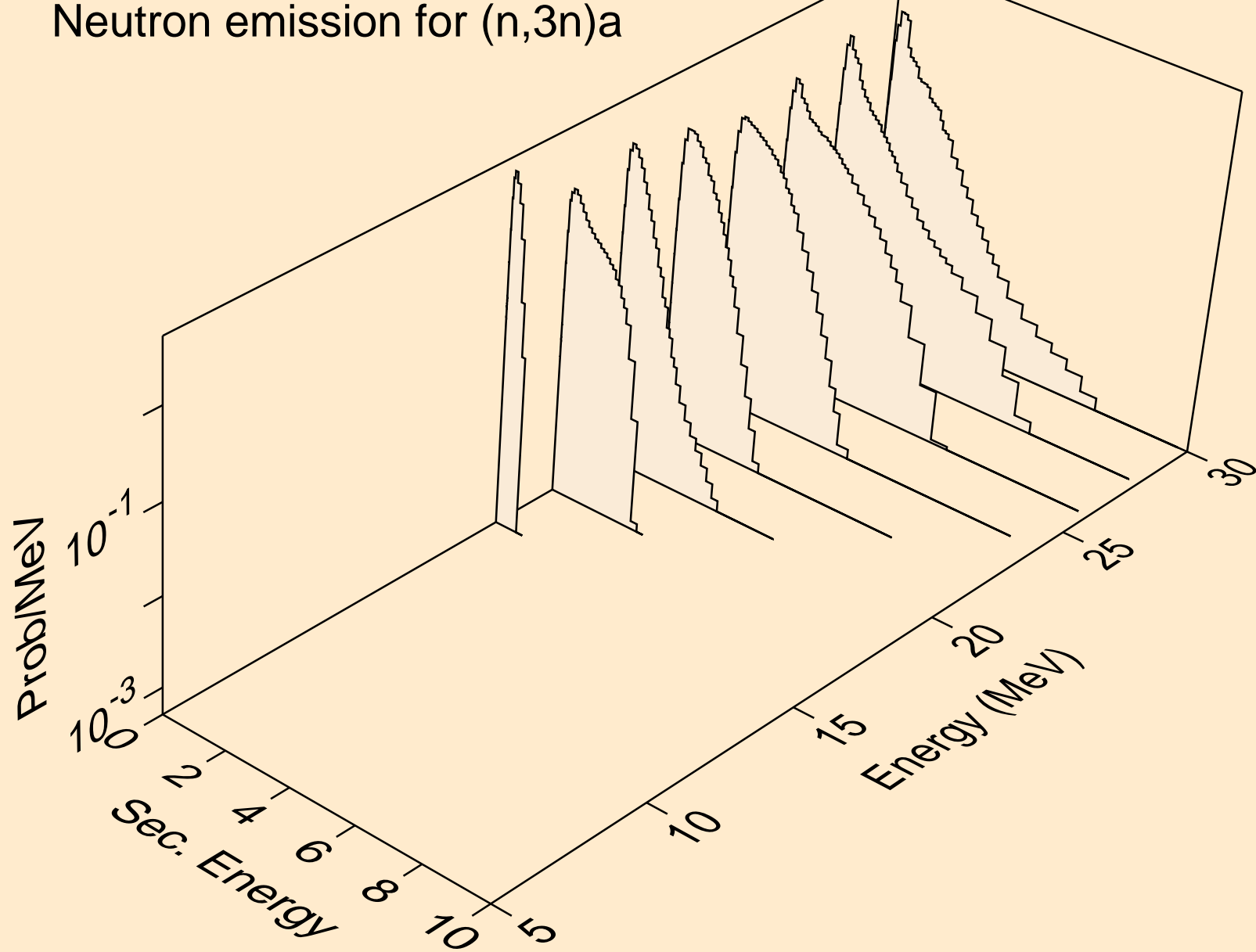
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)a



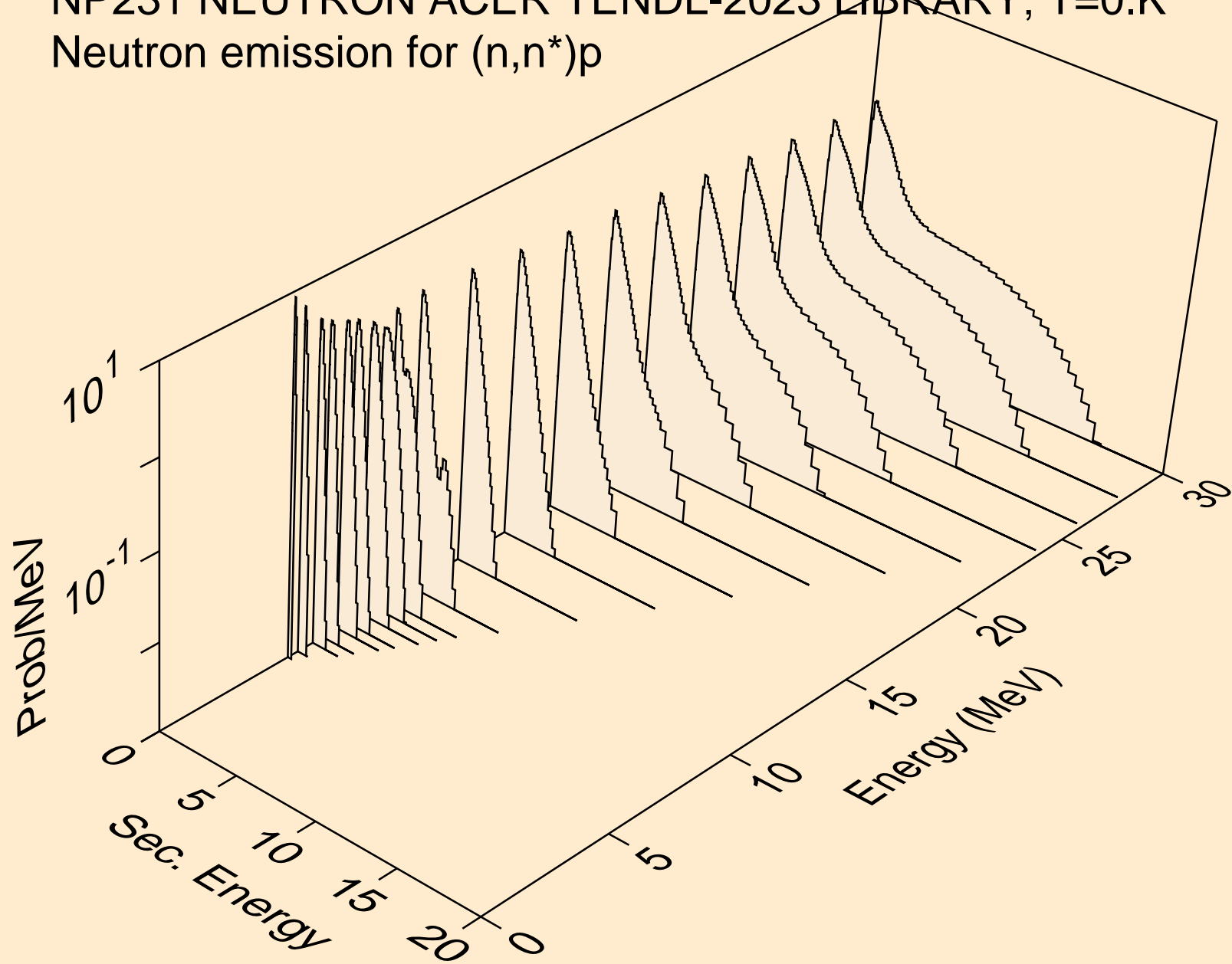
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2n)a



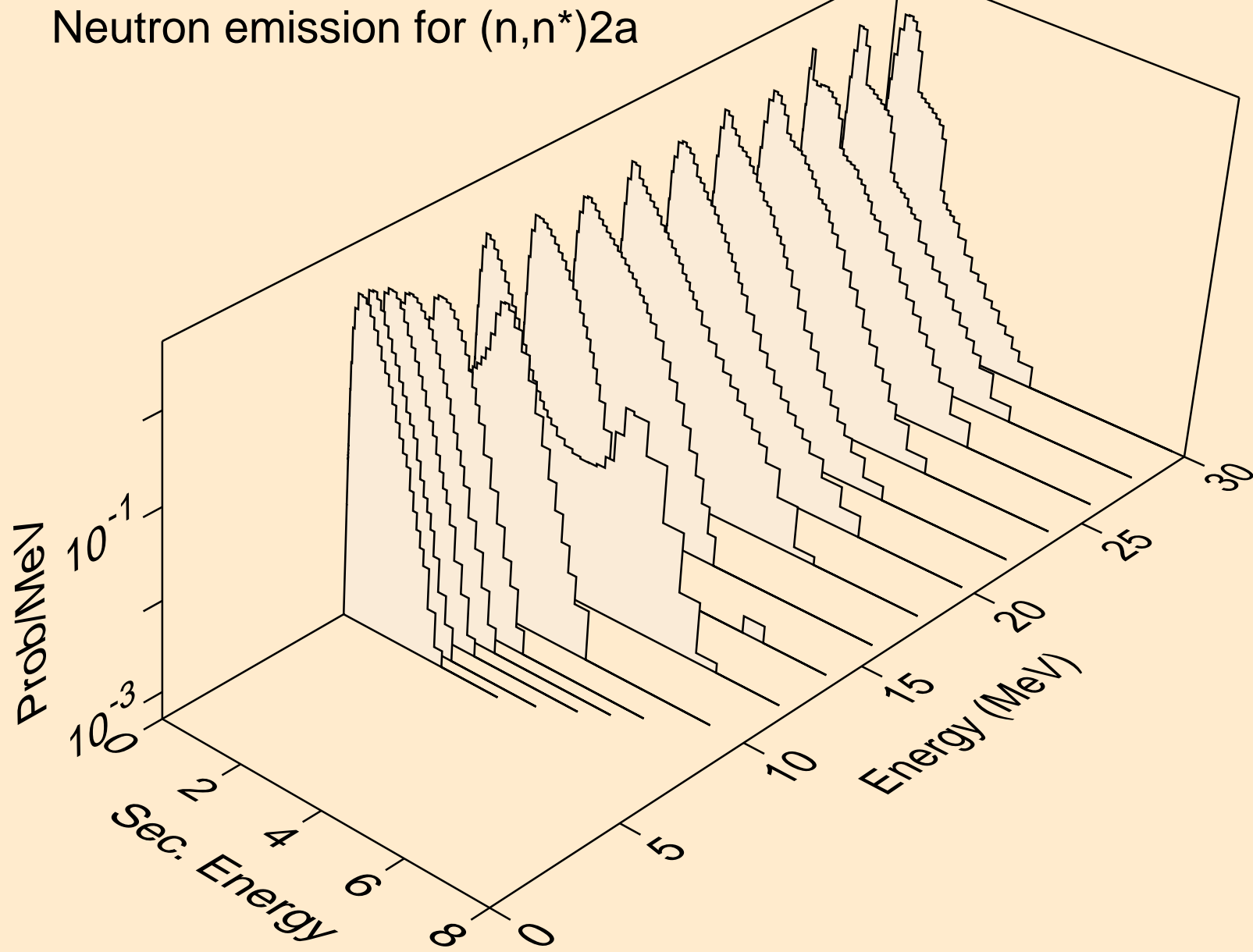
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3n)a



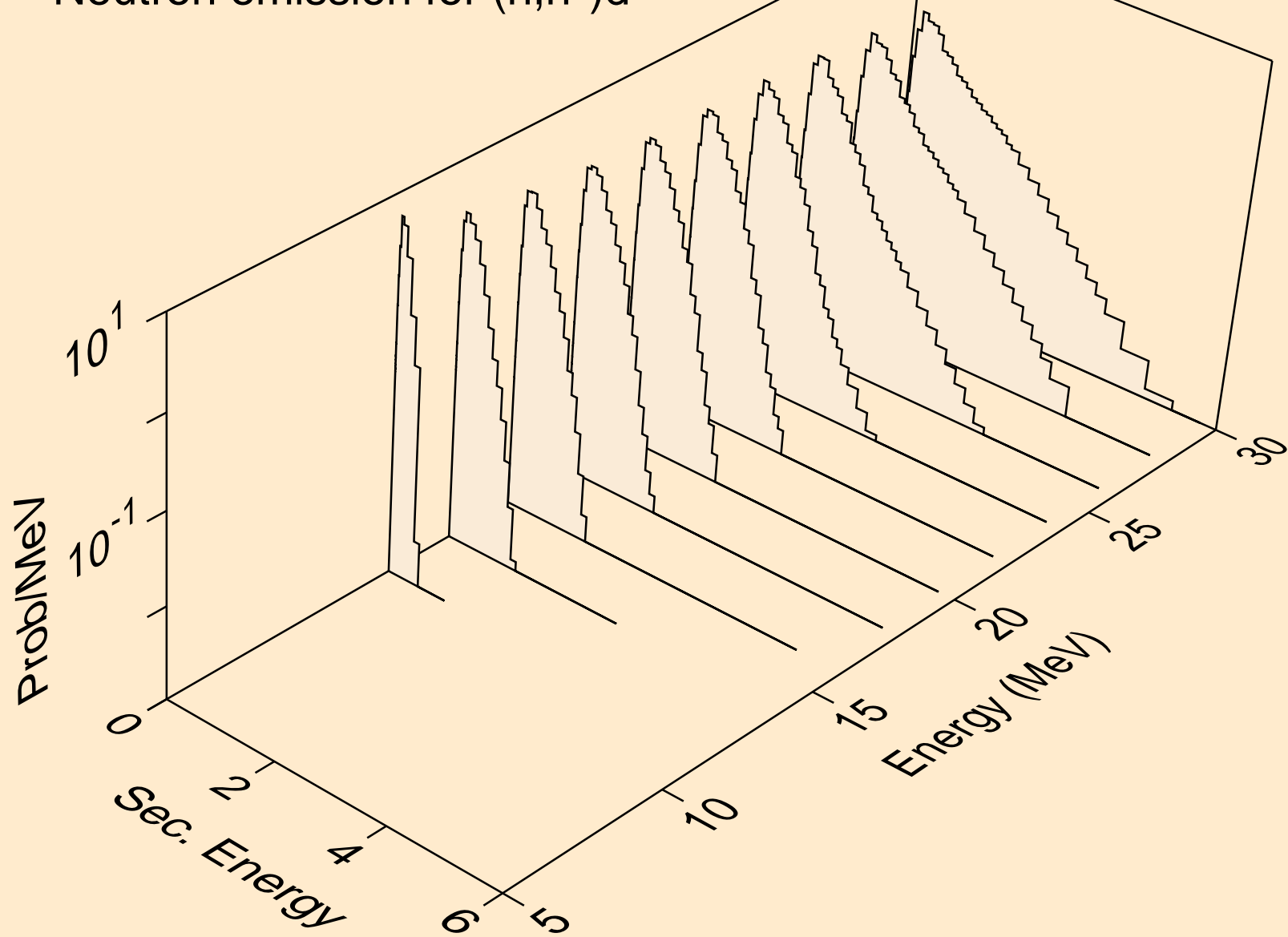
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)p



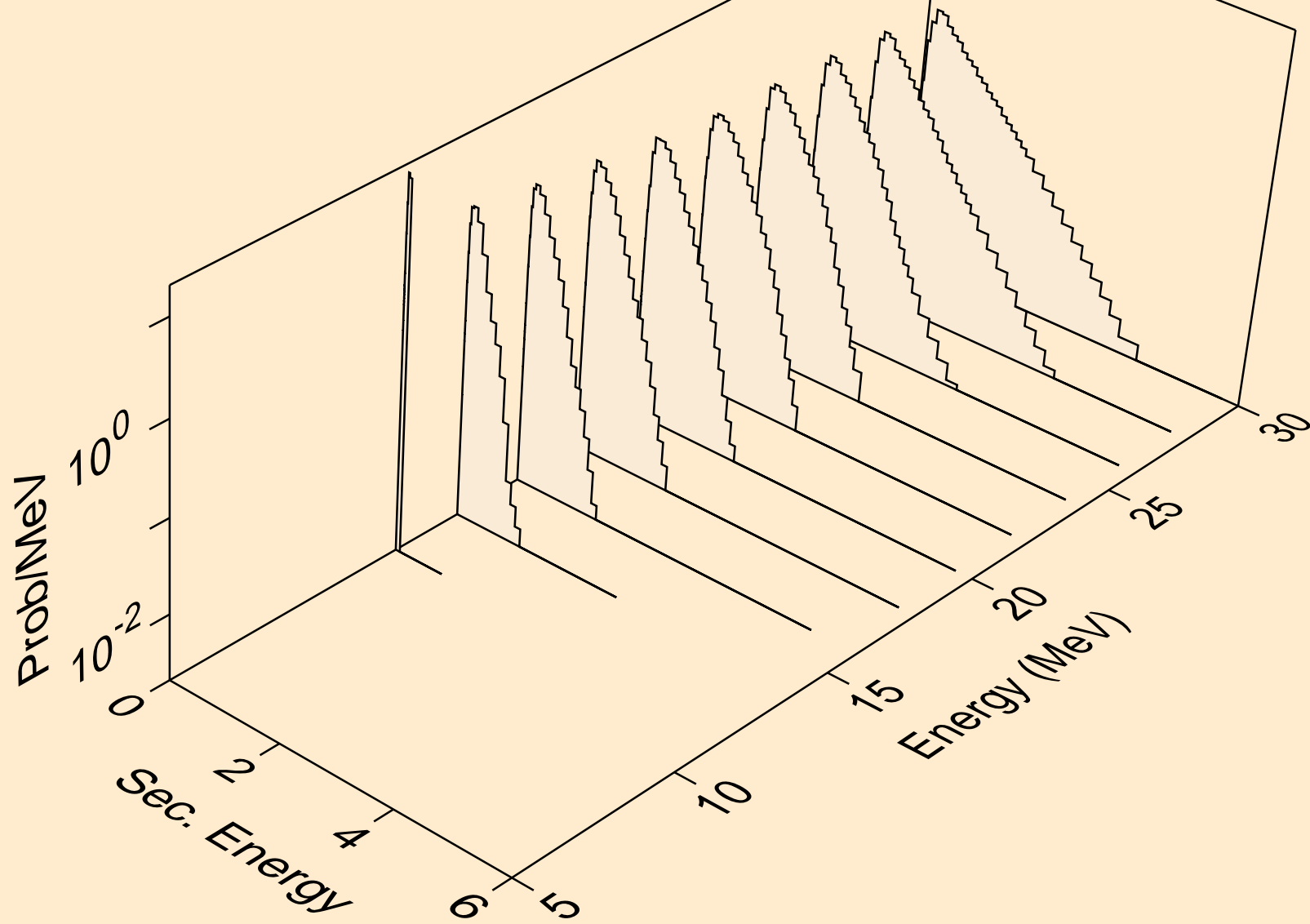
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)2a



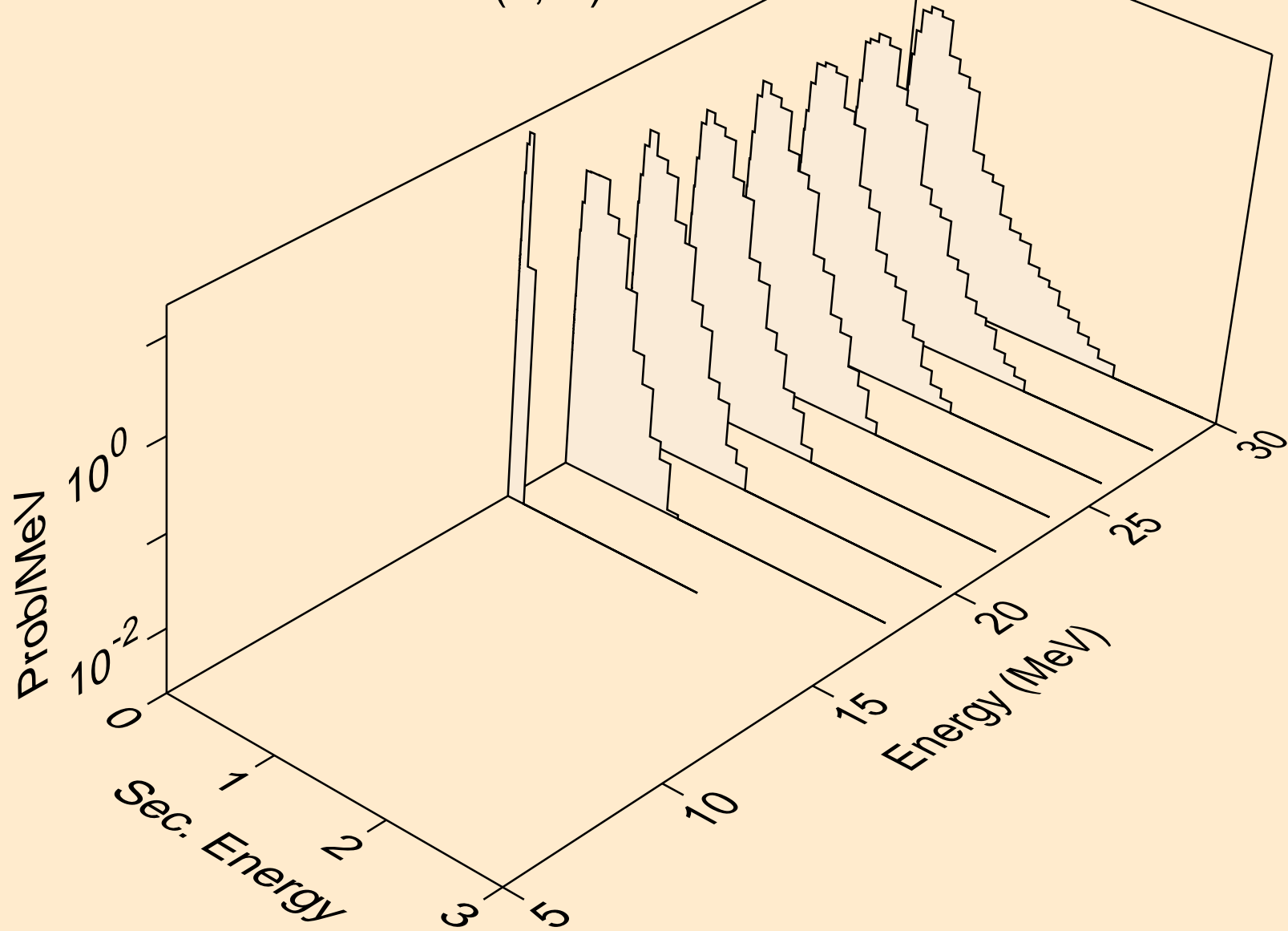
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)d



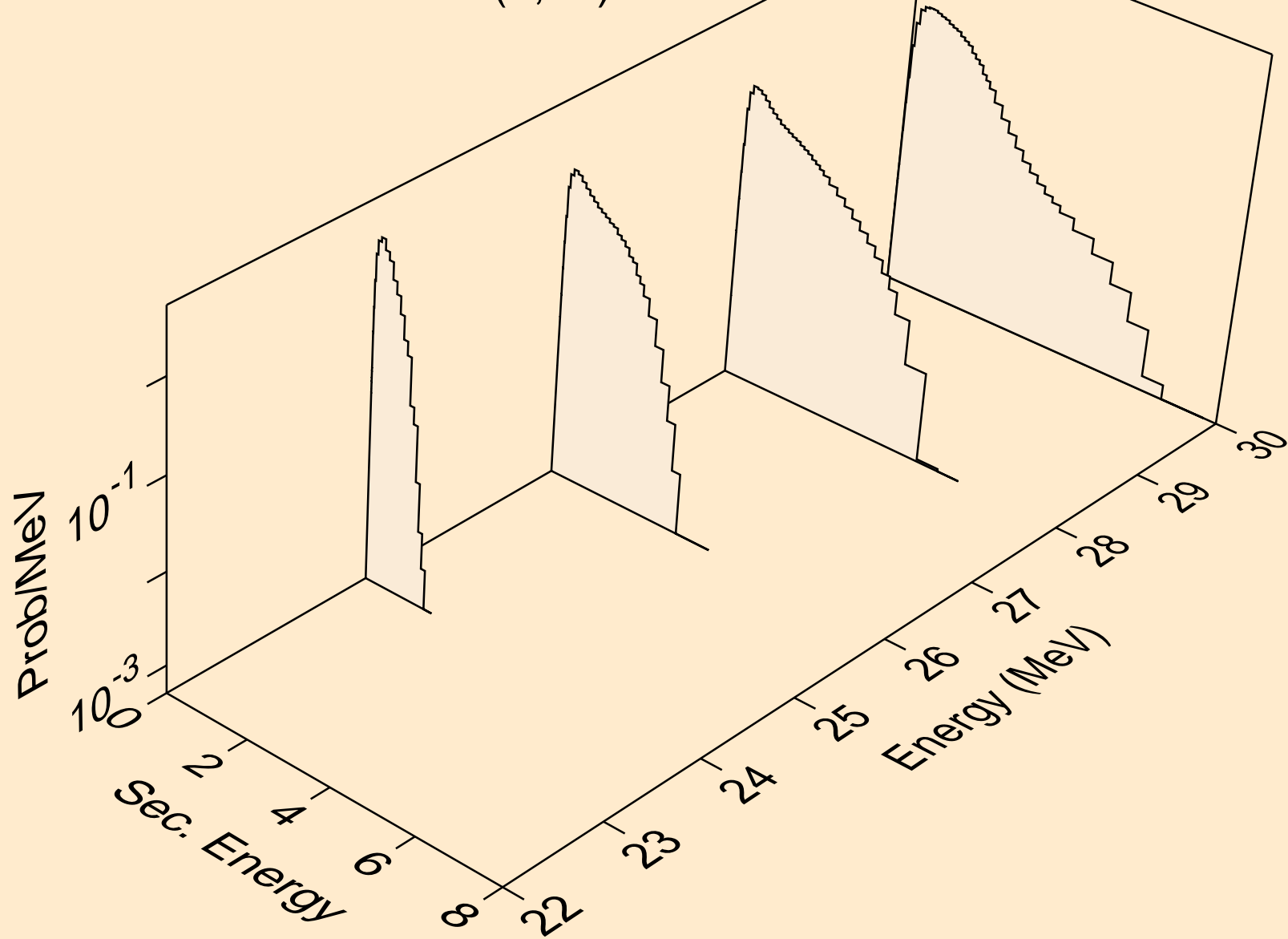
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)t



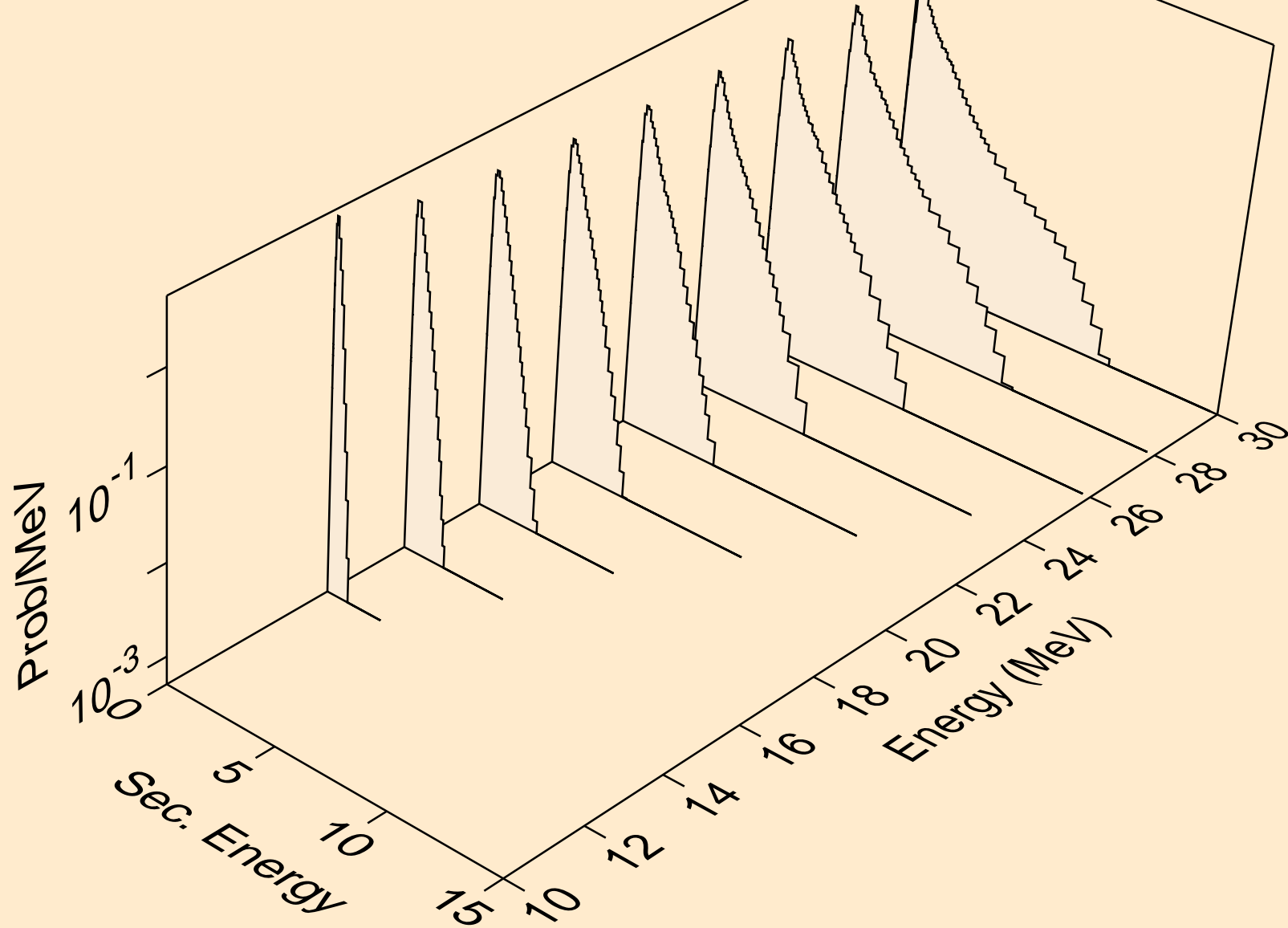
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*)he3



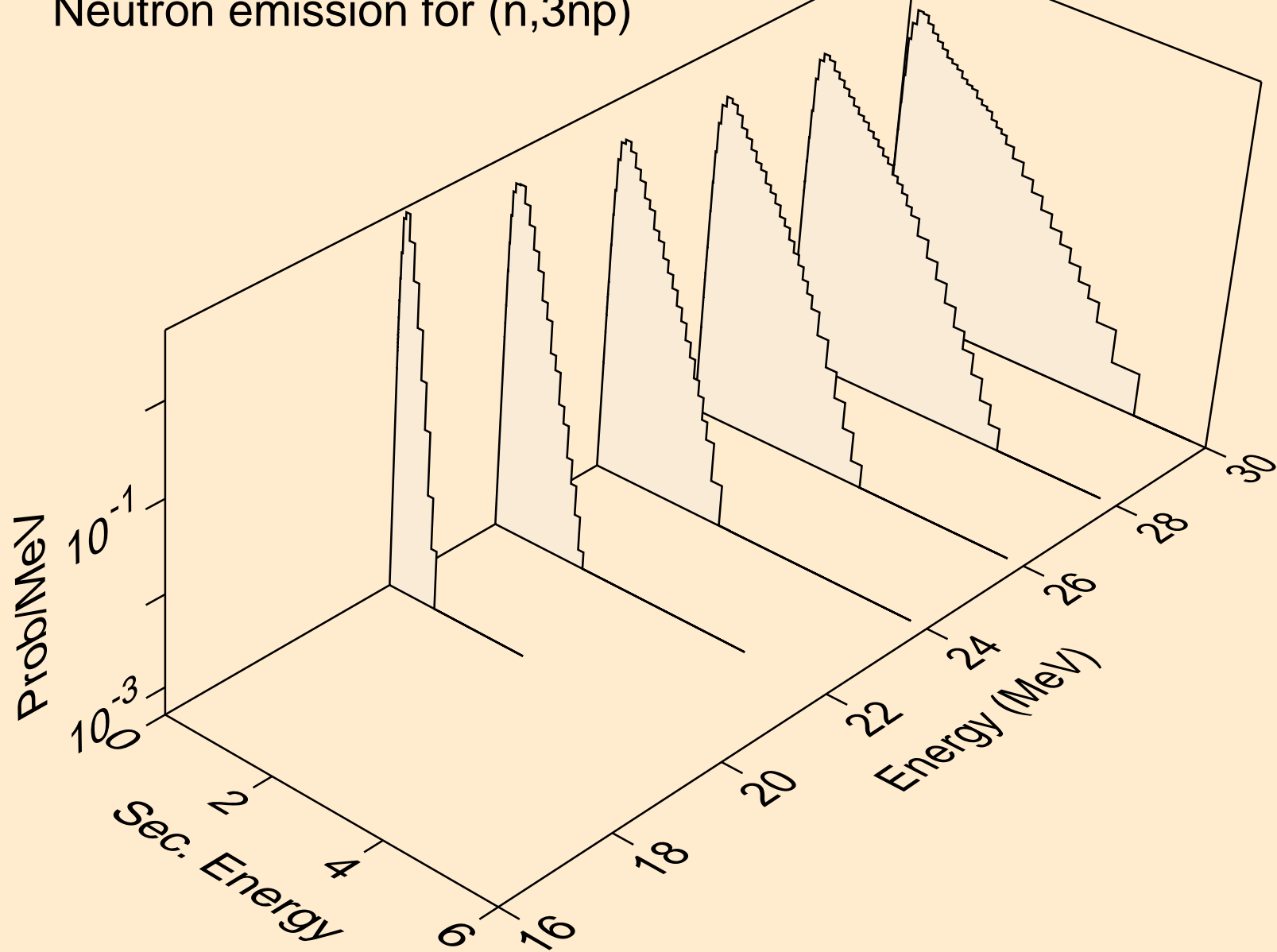
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,4n)



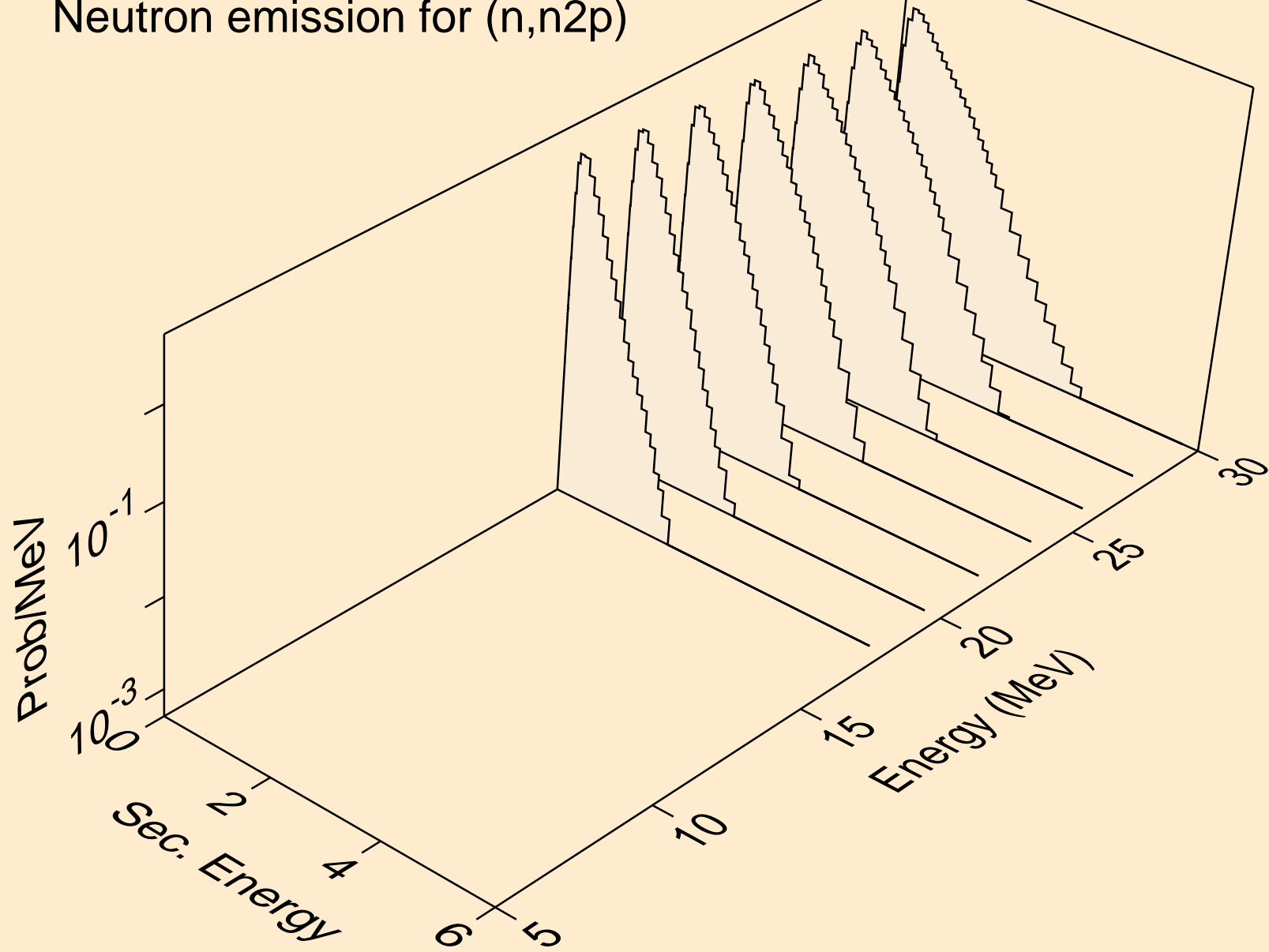
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,2np)



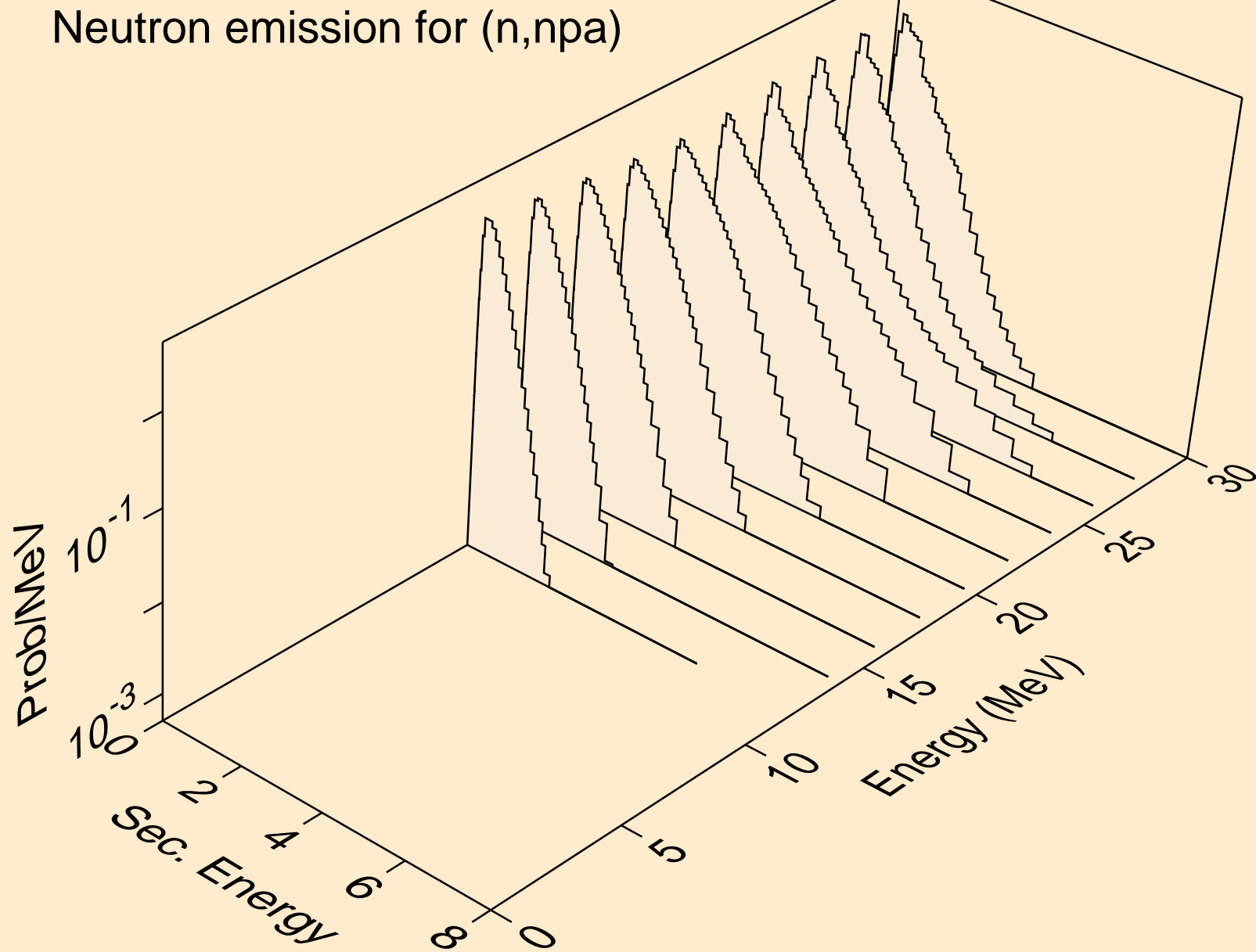
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,3np)



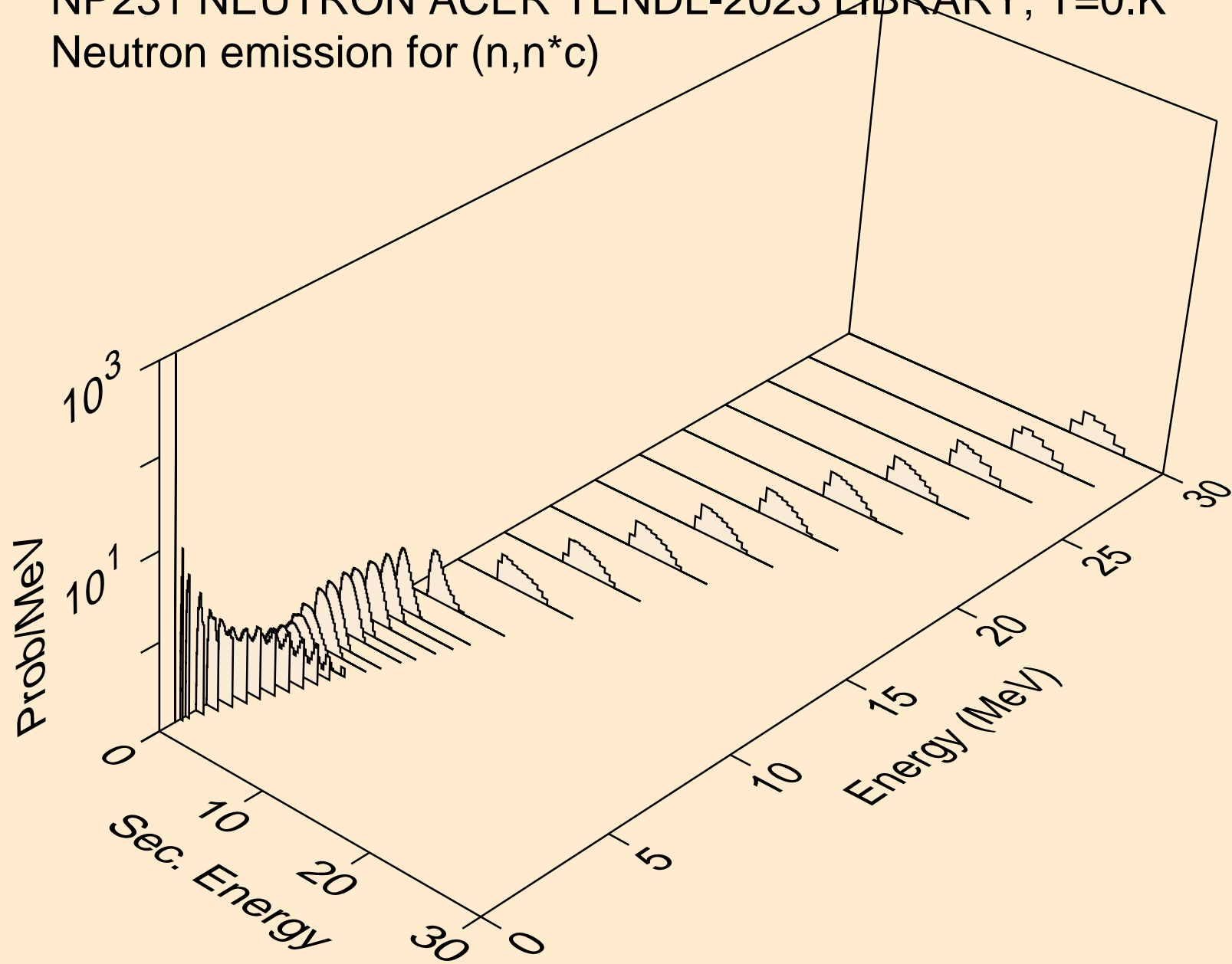
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n2p)



NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,npa)

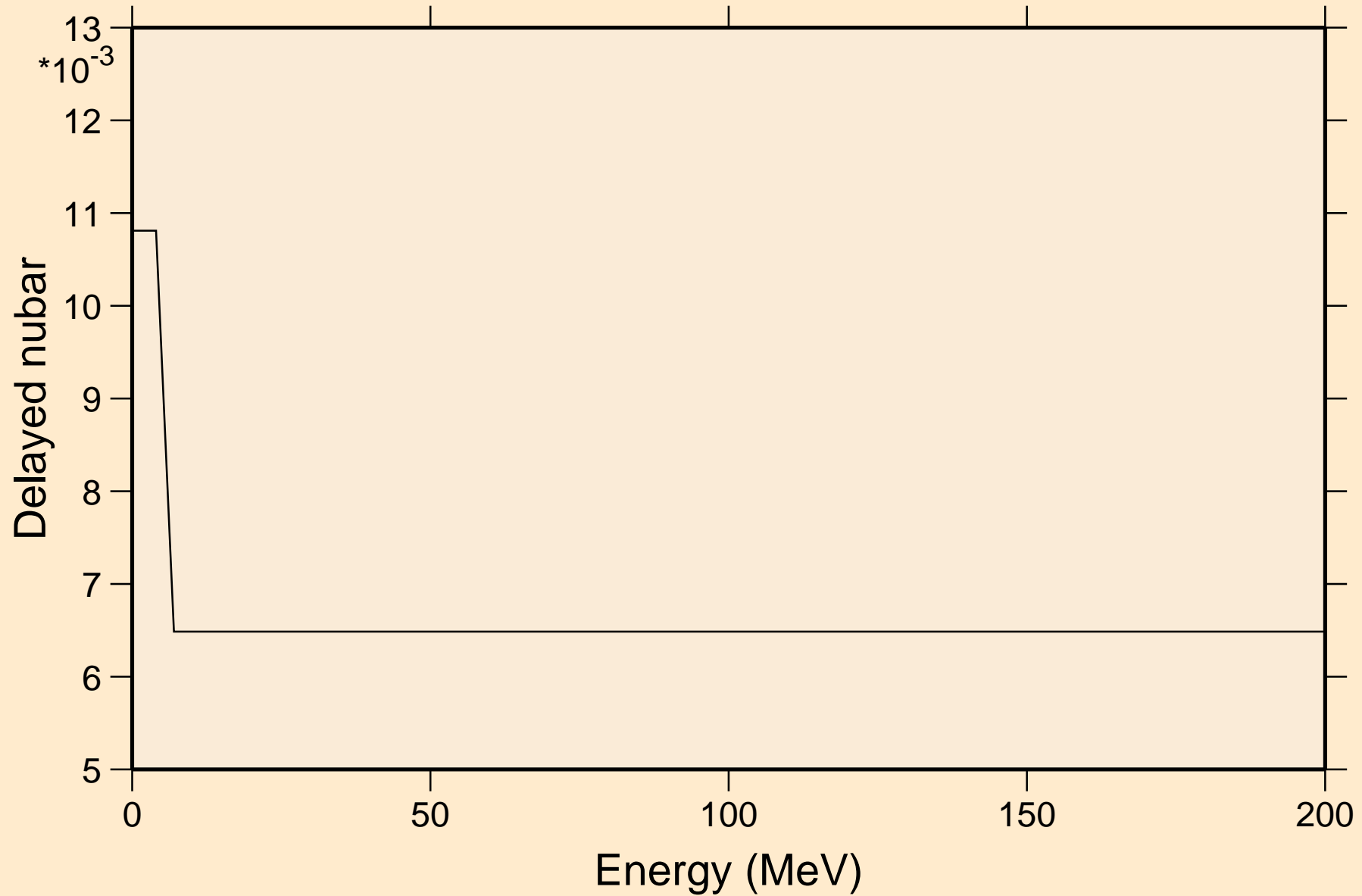


NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Neutron emission for (n,n*c)



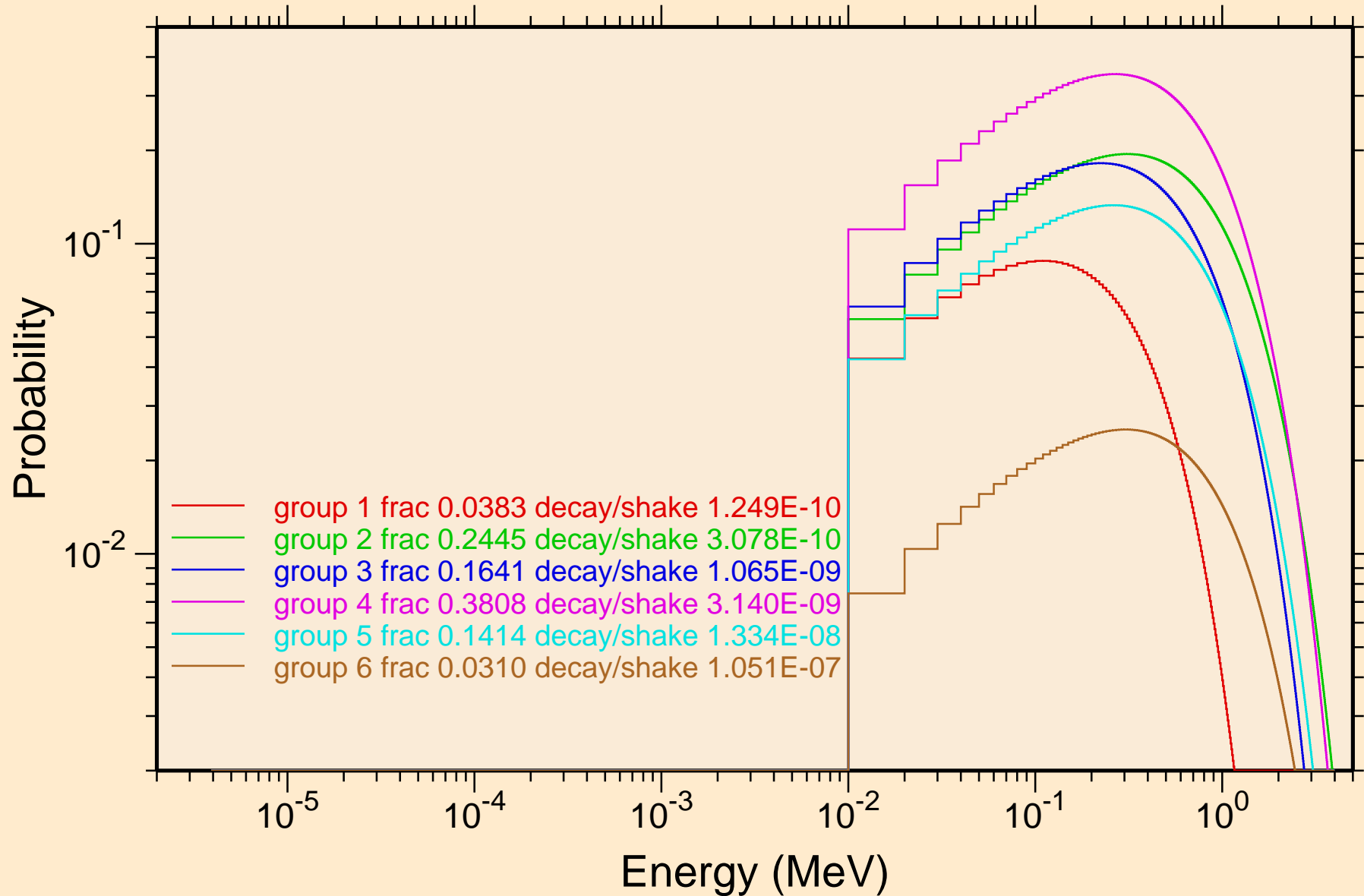
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Delayed nubar

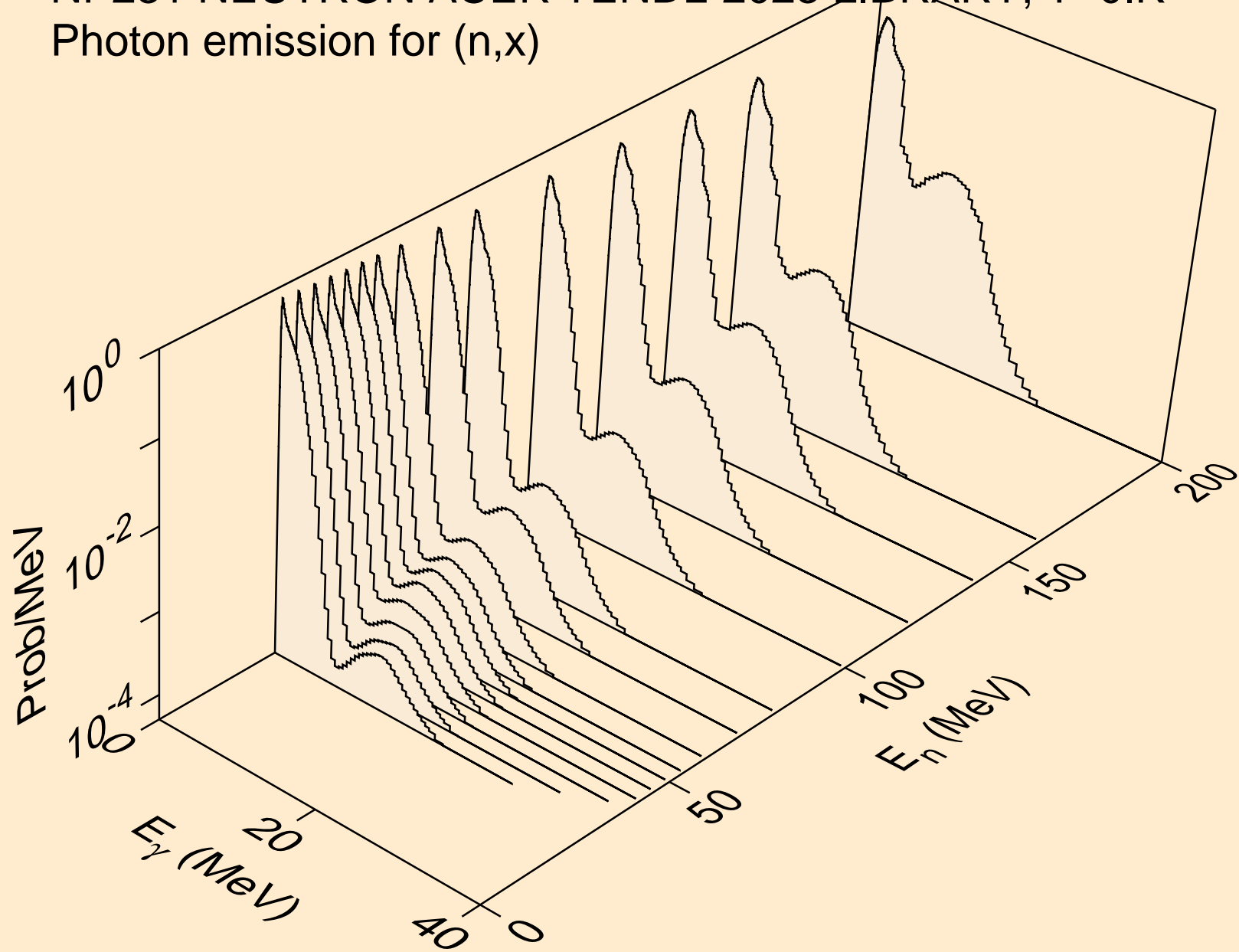


NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

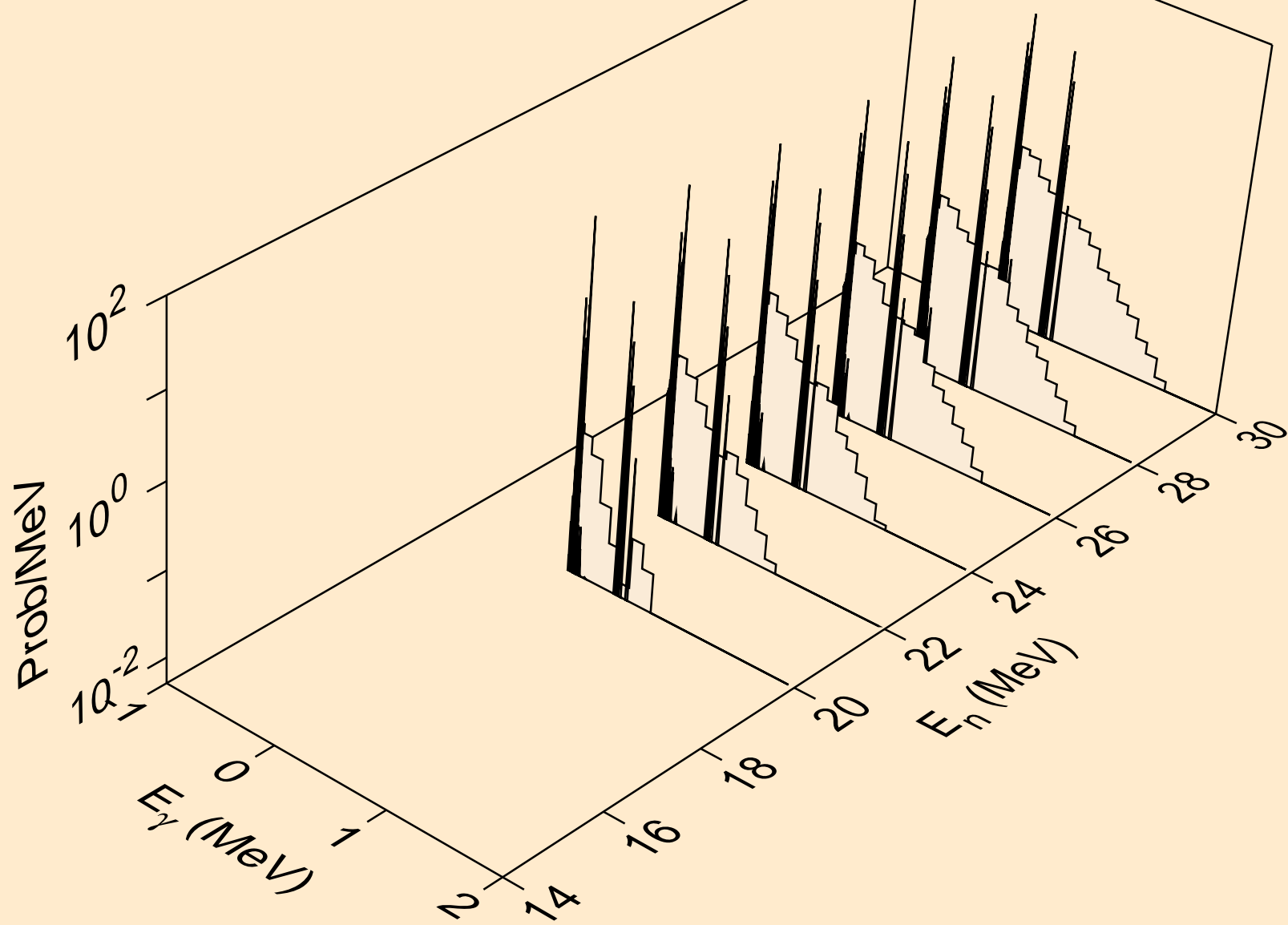
Delayed neutron spectra



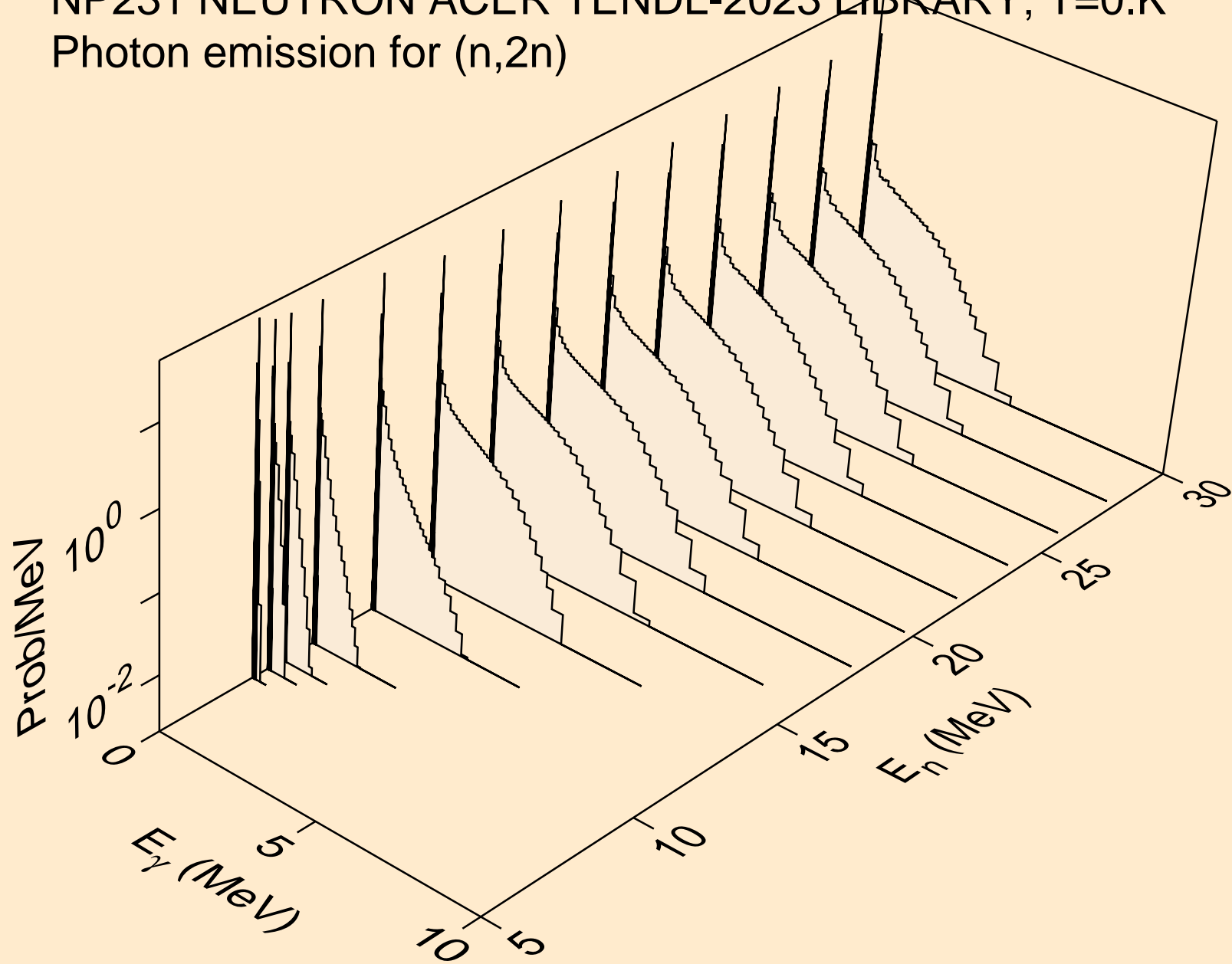
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,x)



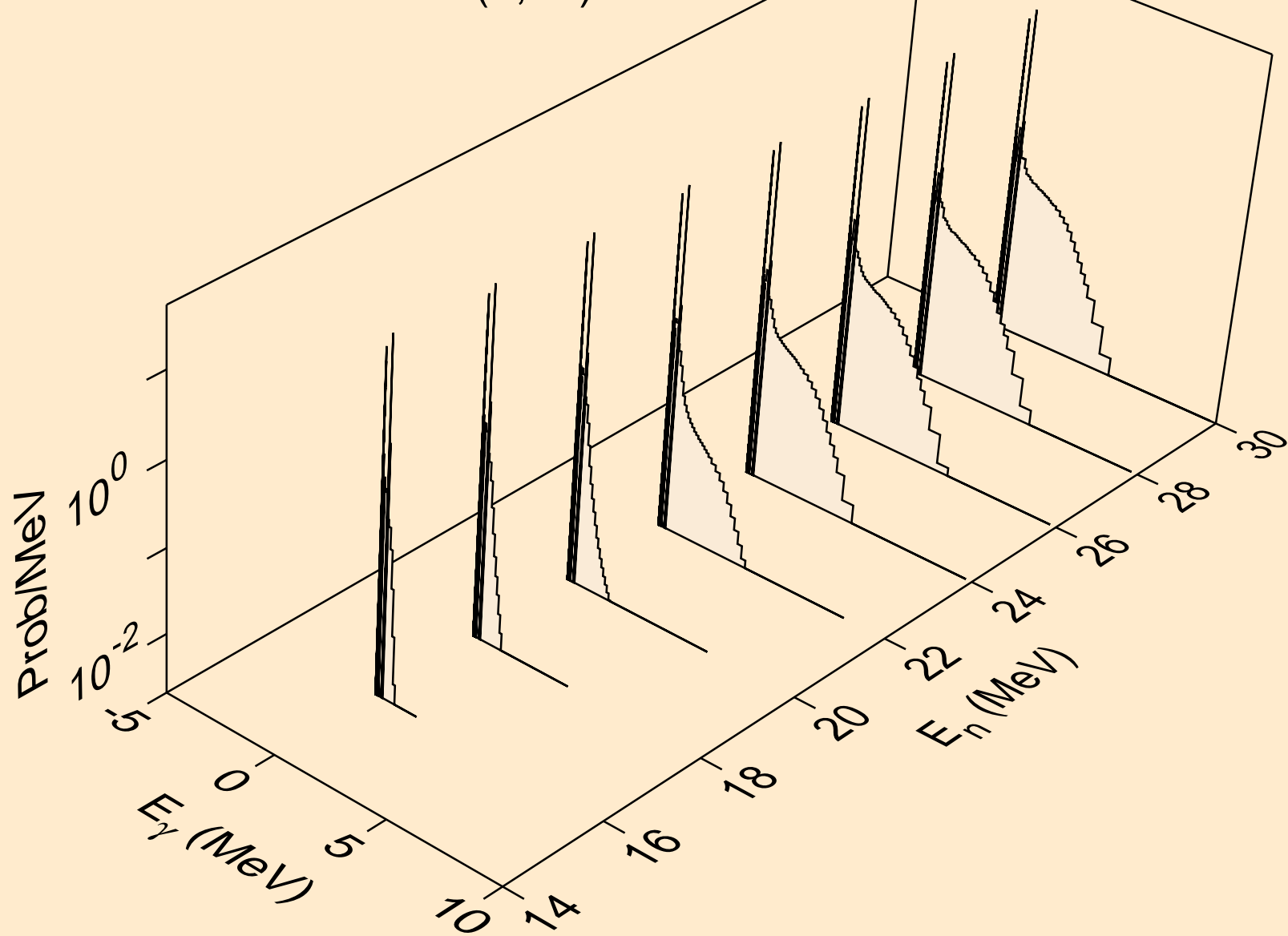
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2nd)



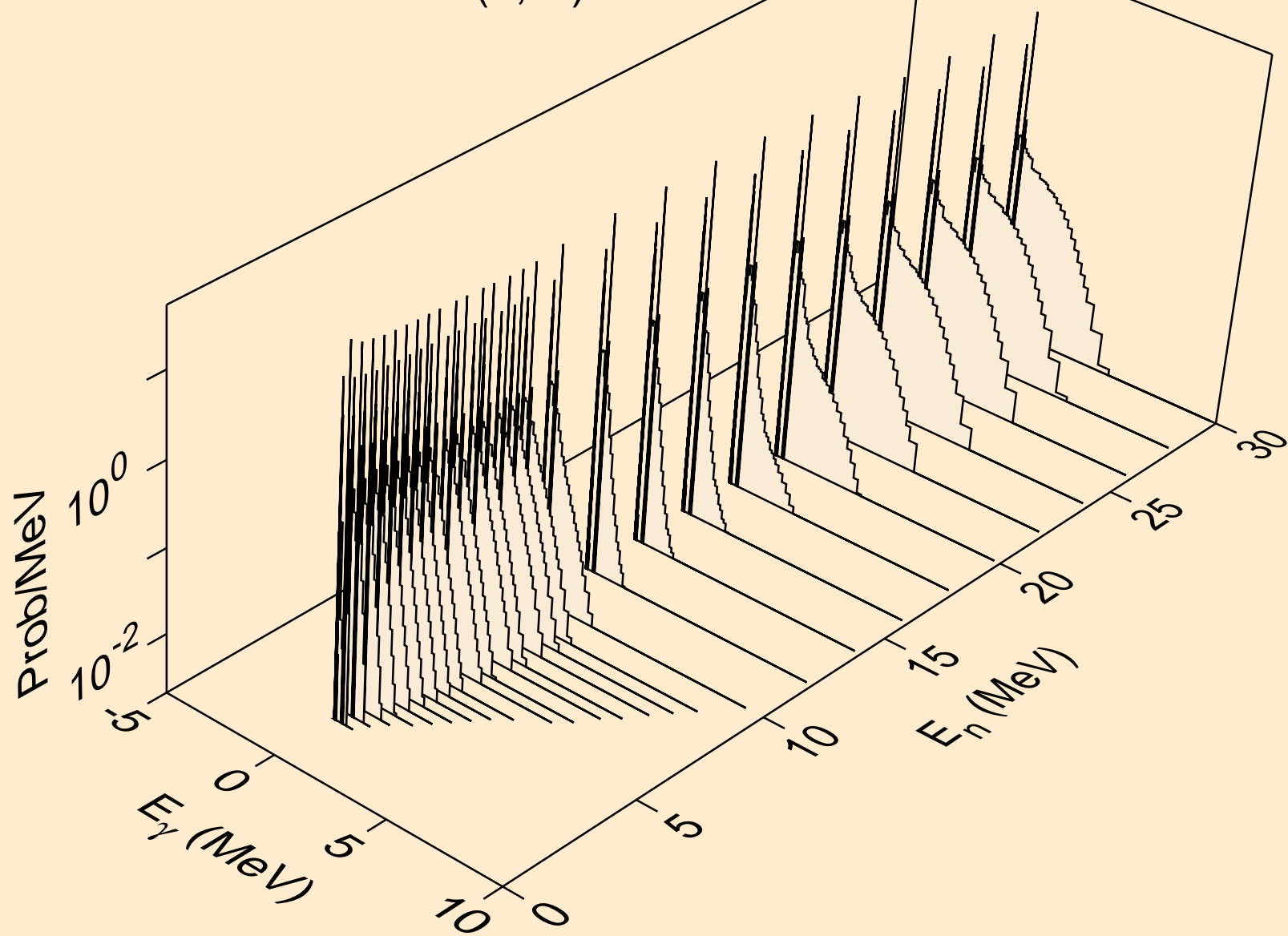
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)



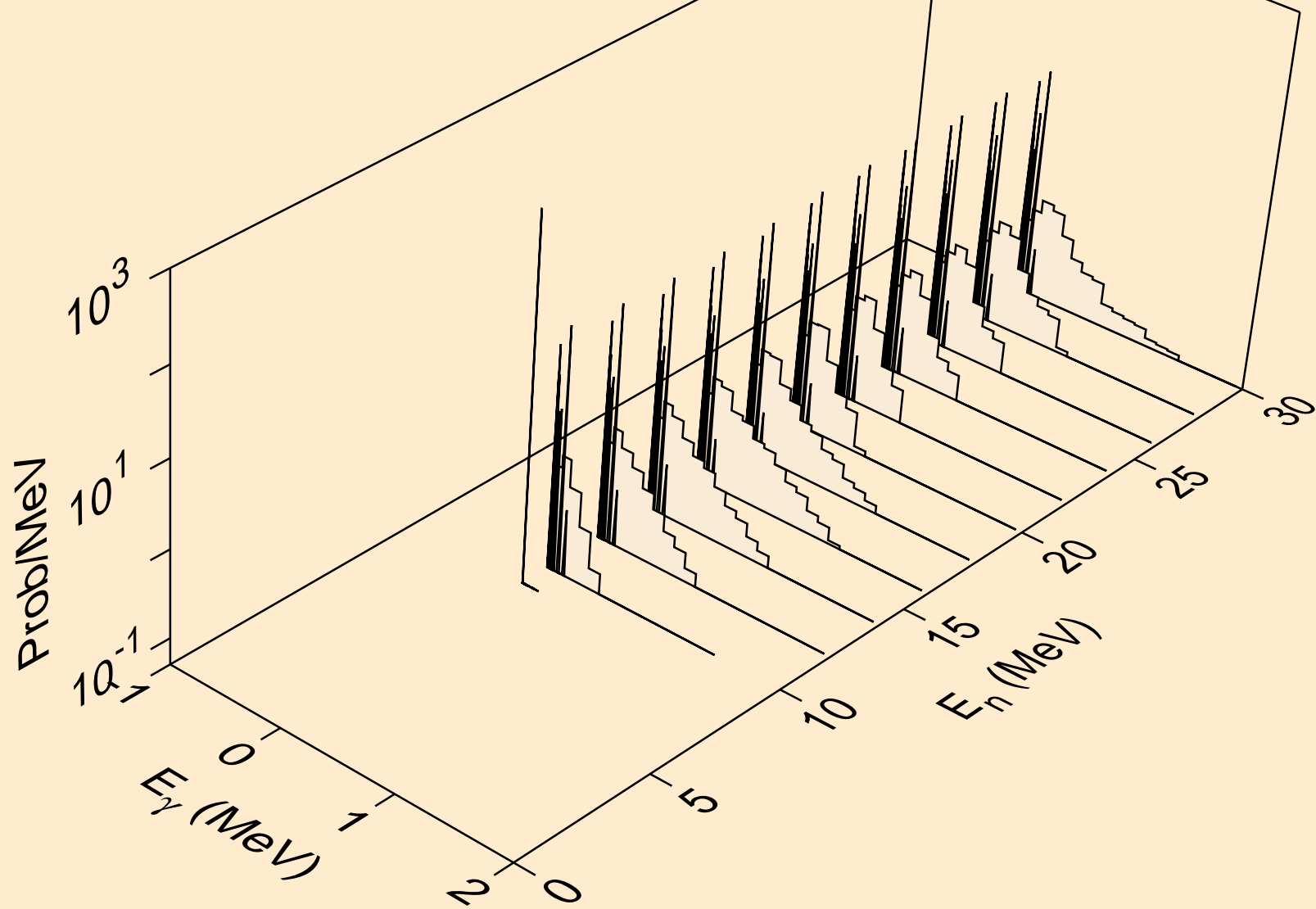
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)



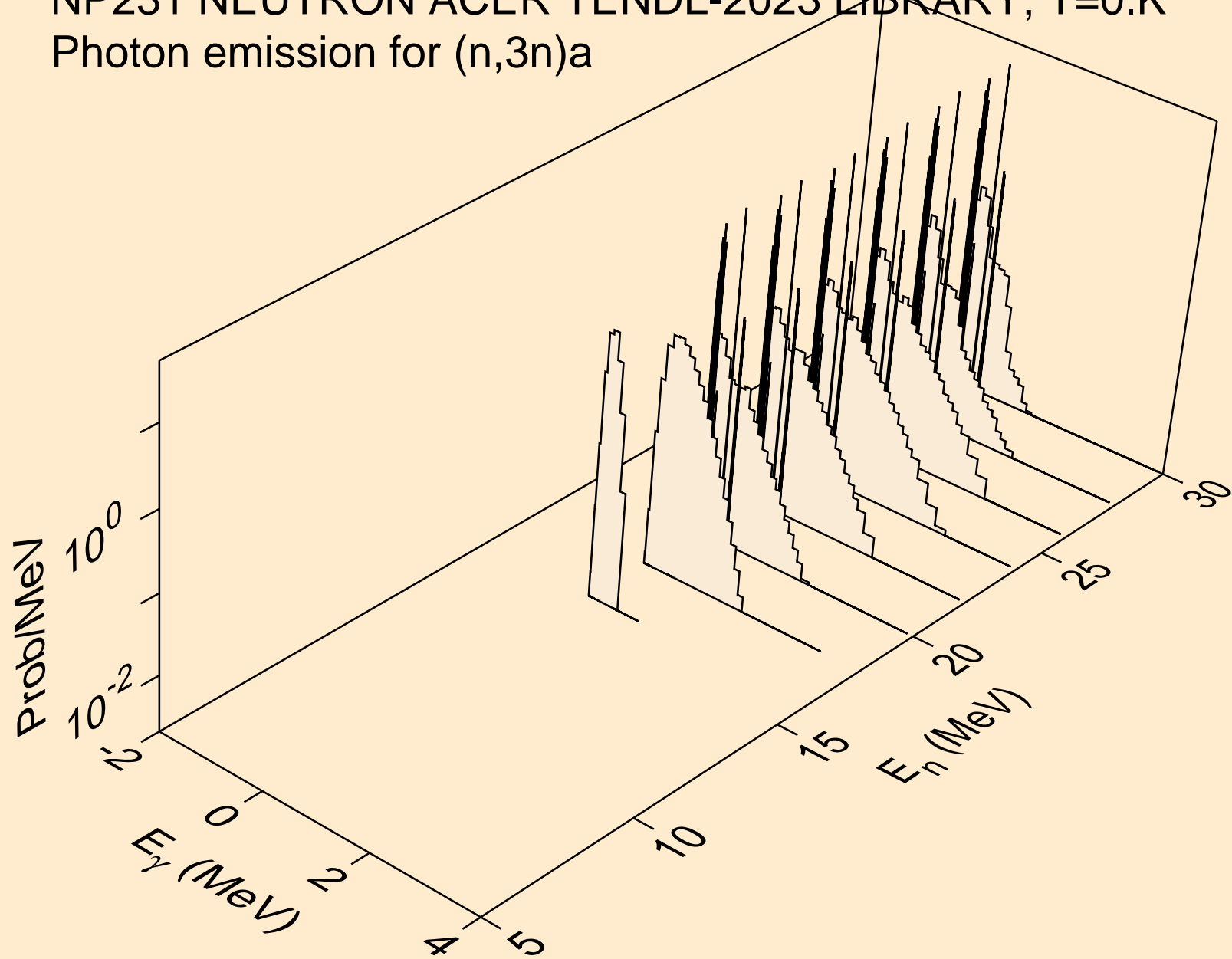
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)a



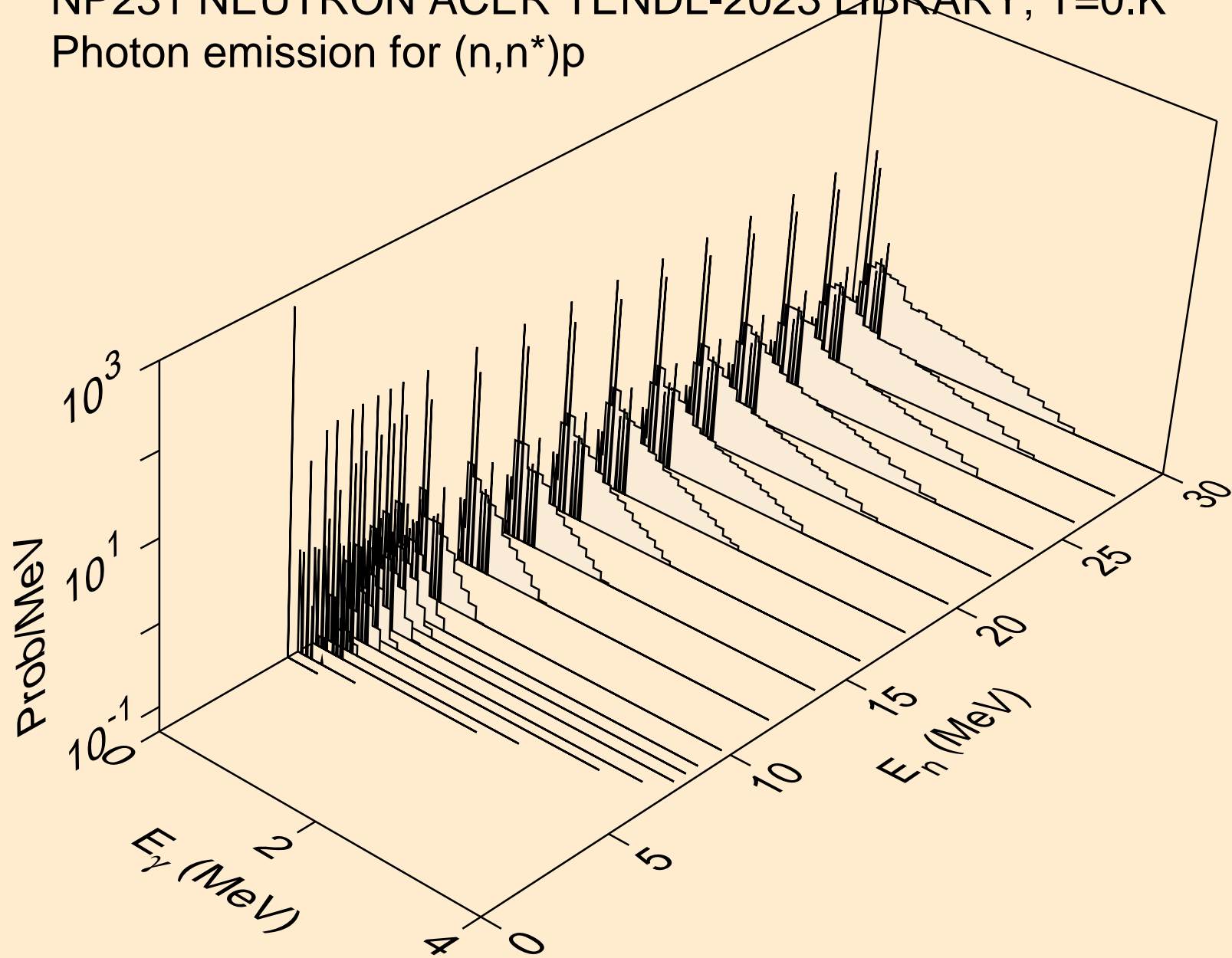
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)a



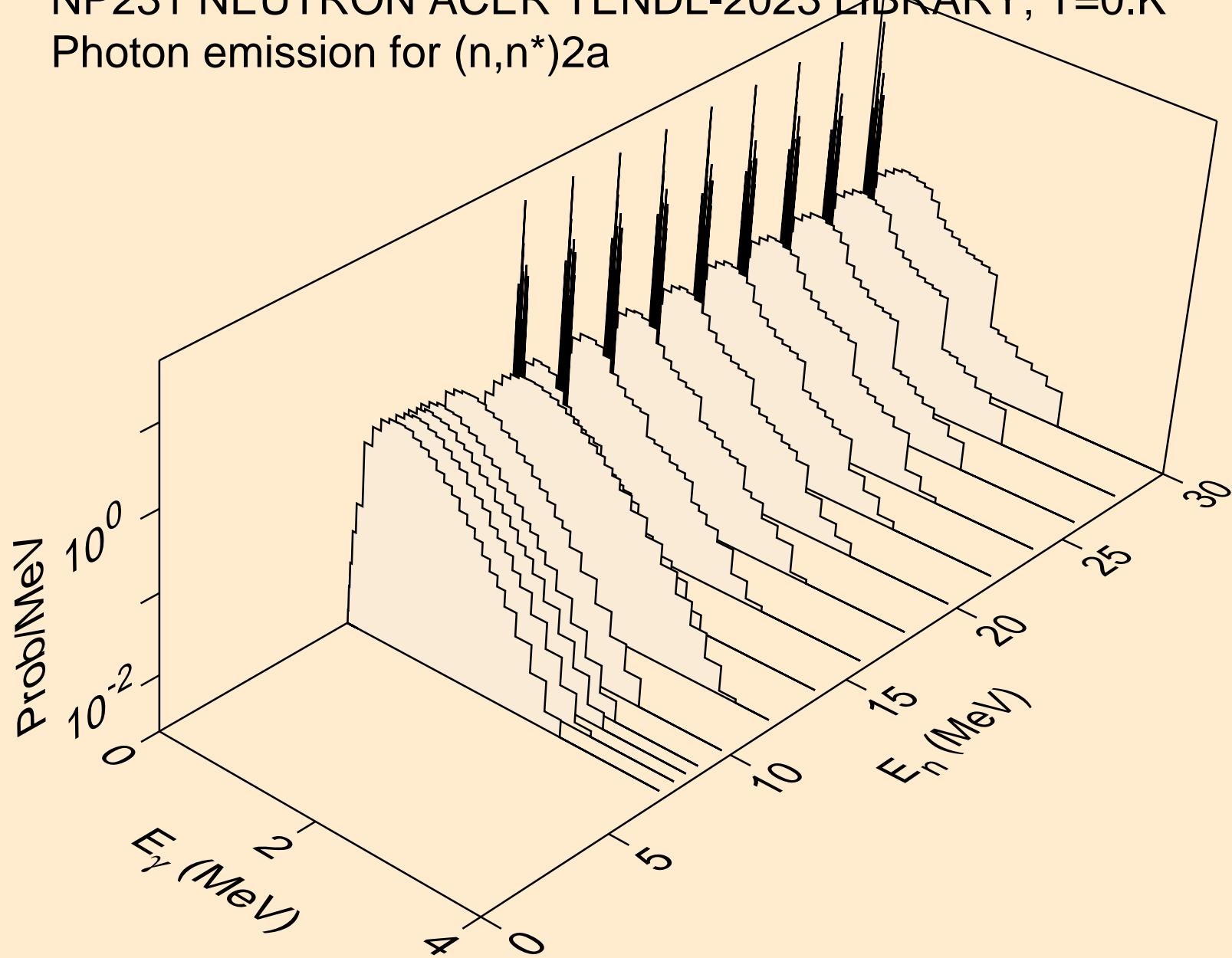
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)a



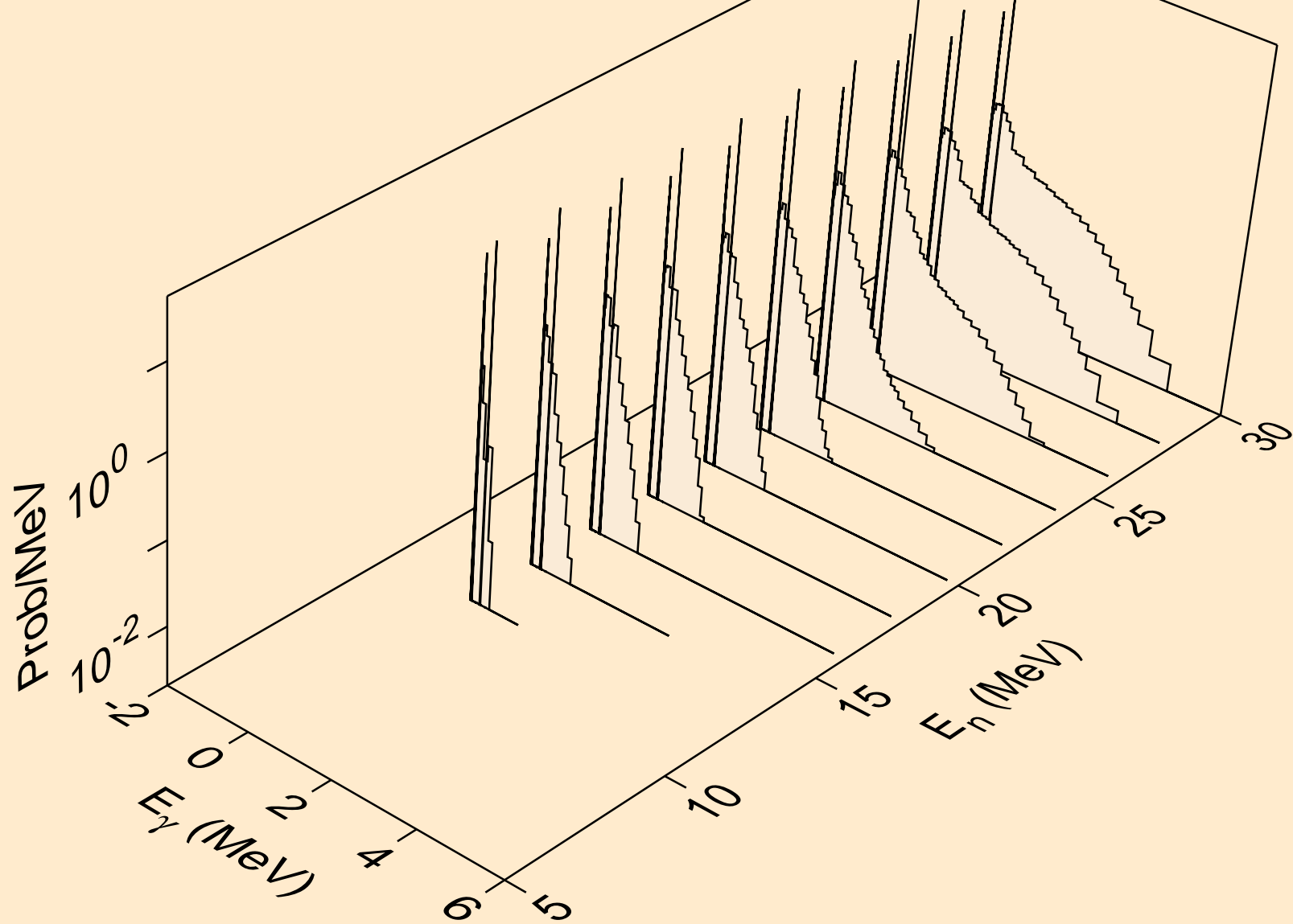
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)p



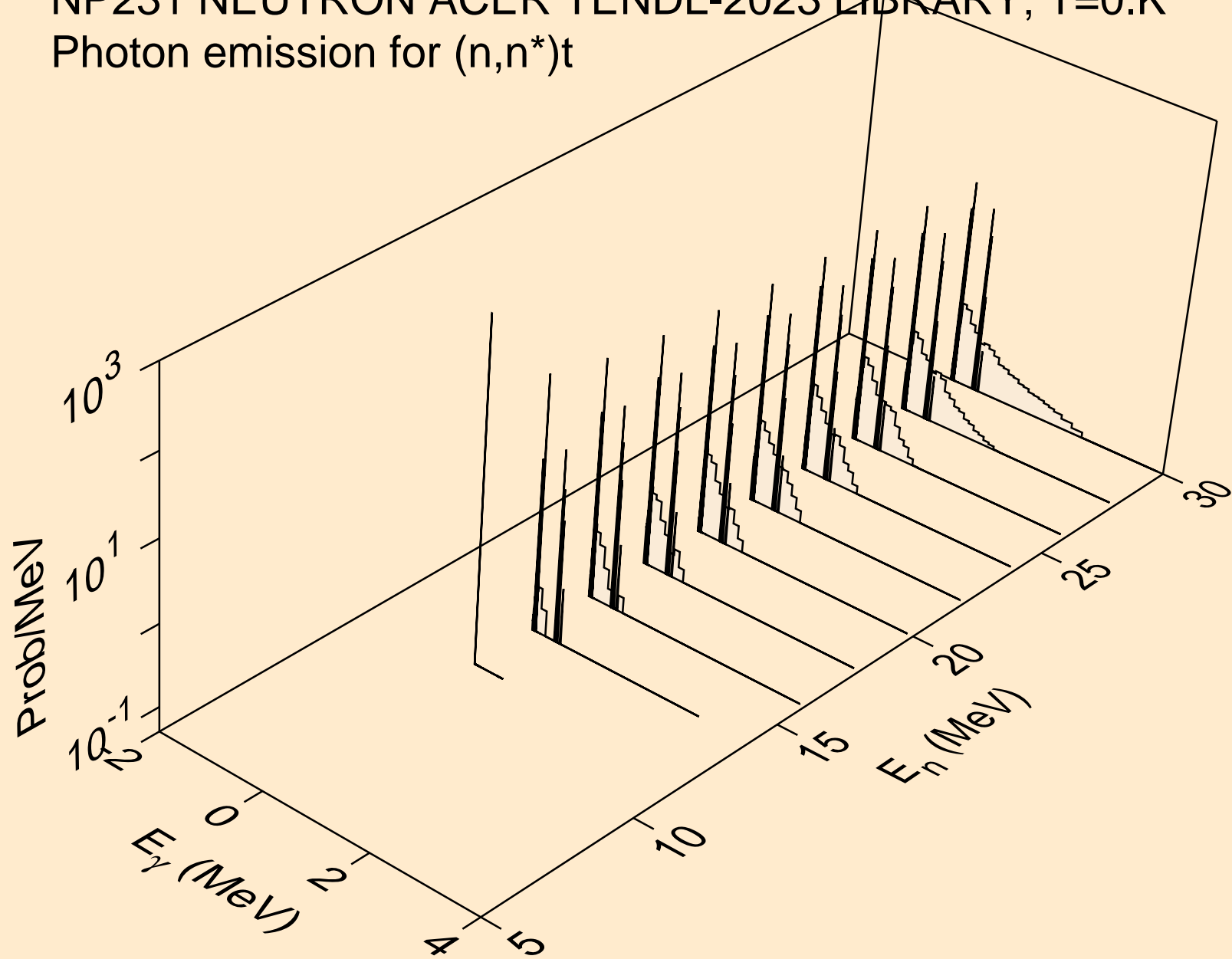
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)2a



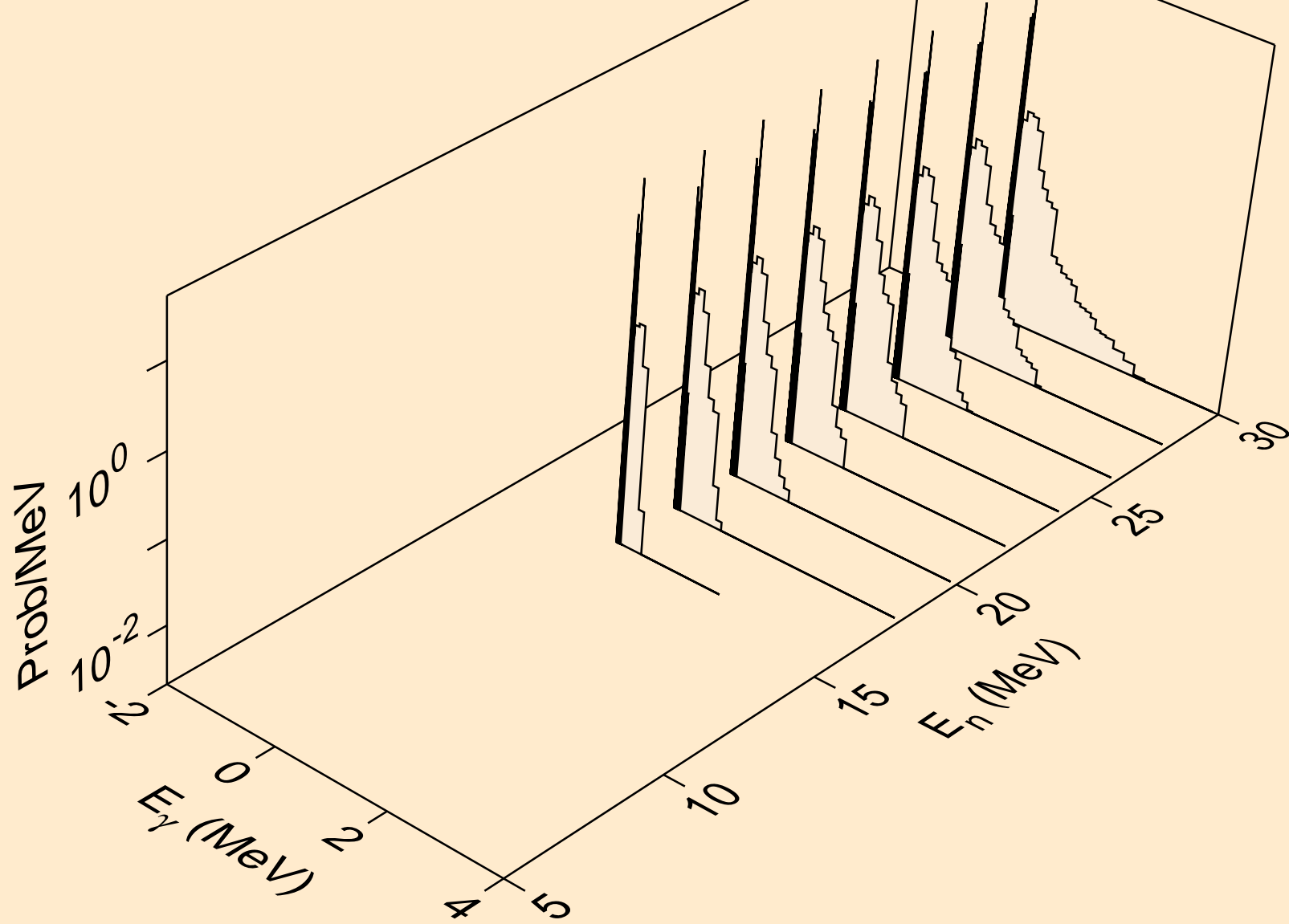
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)d



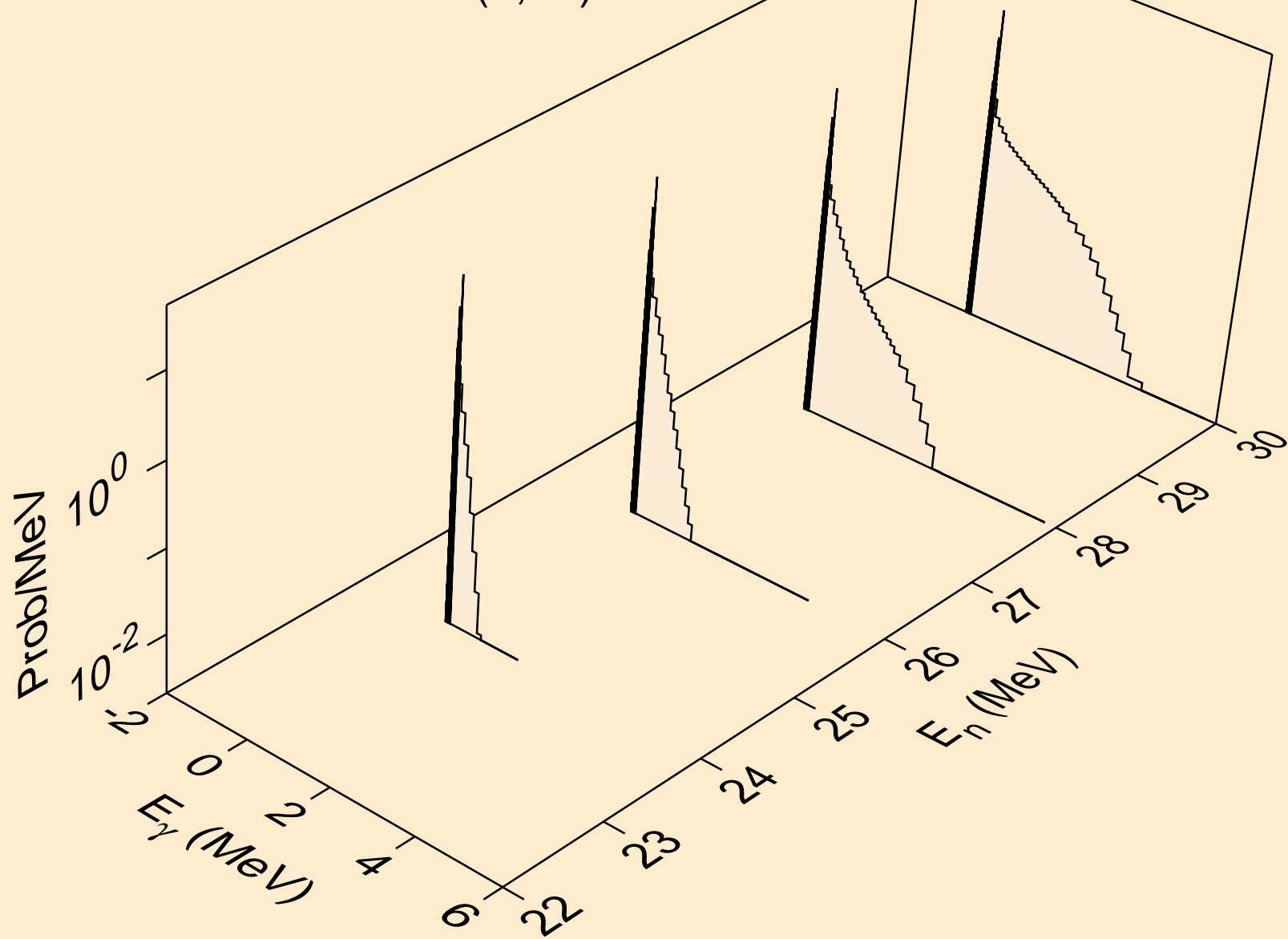
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)t



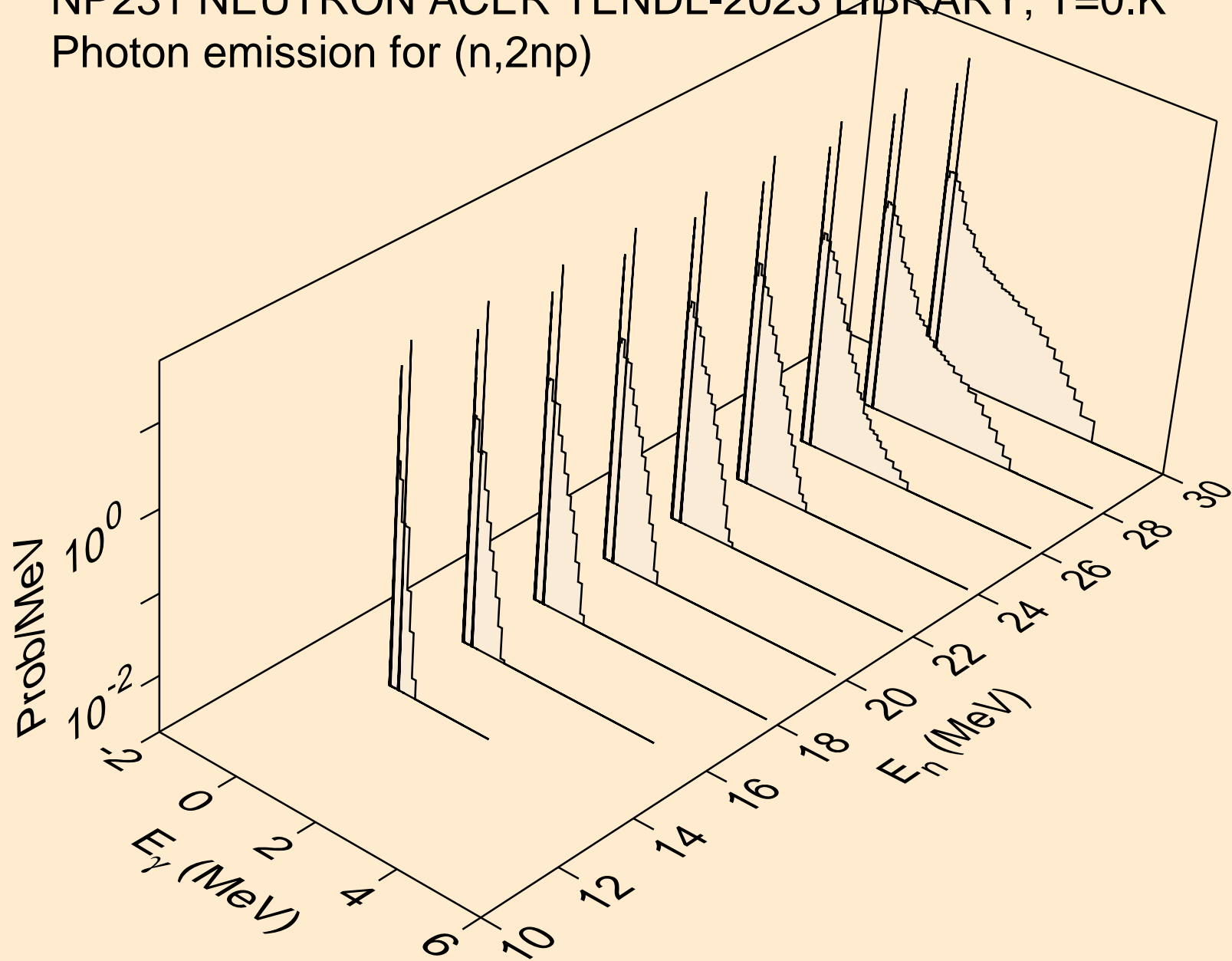
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)he3



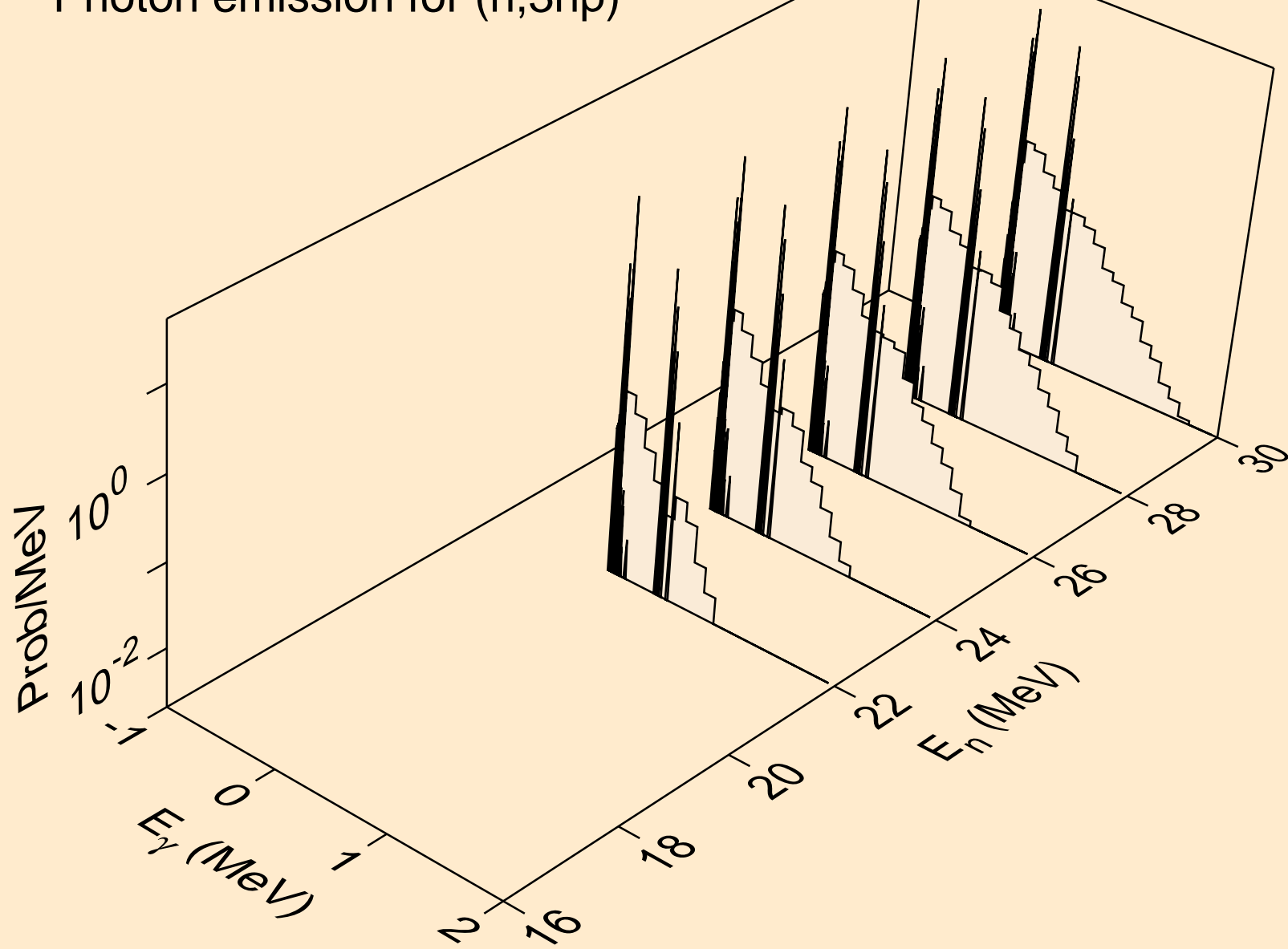
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,4n)



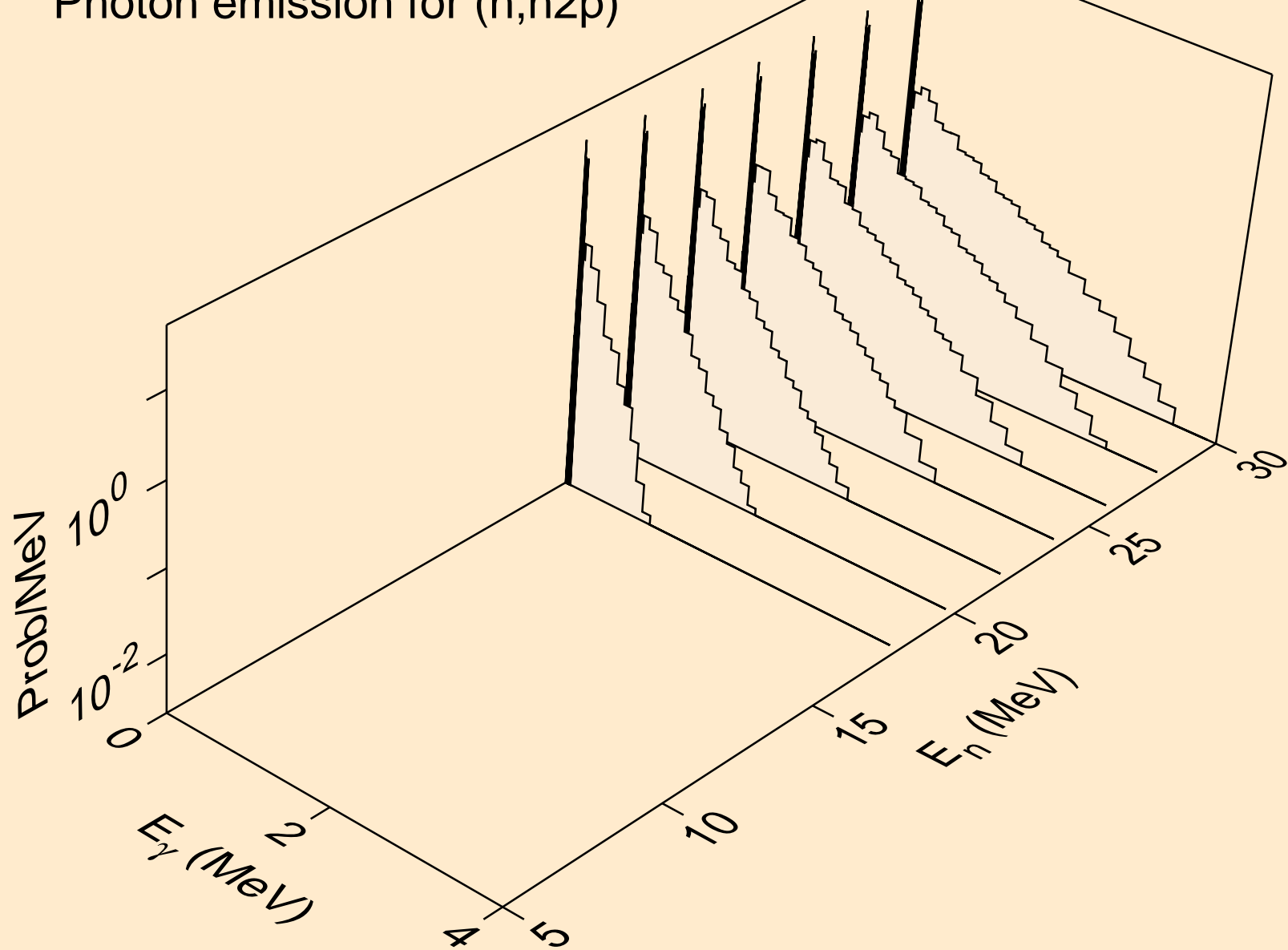
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2np)



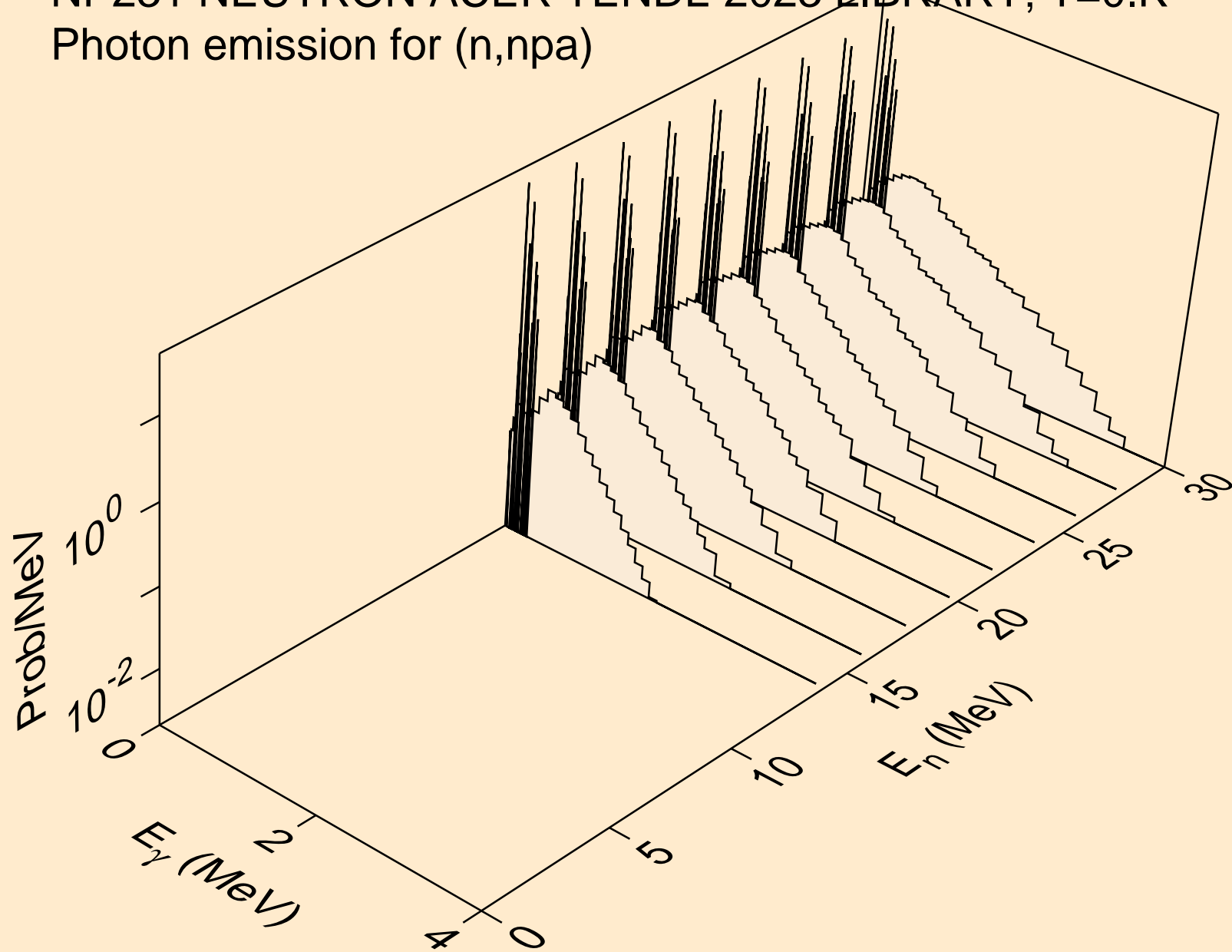
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Photon emission for (n,3np)



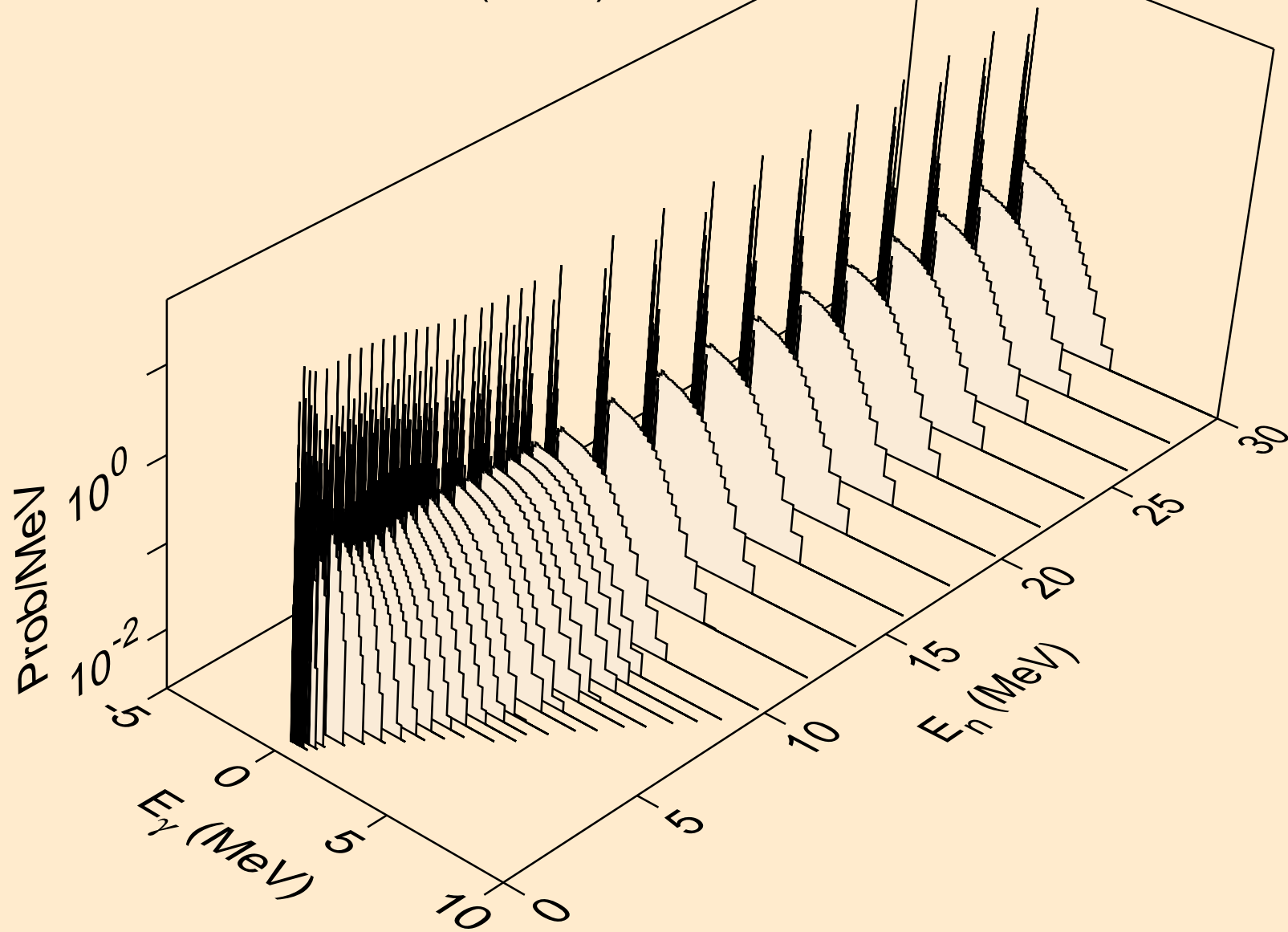
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n2p)



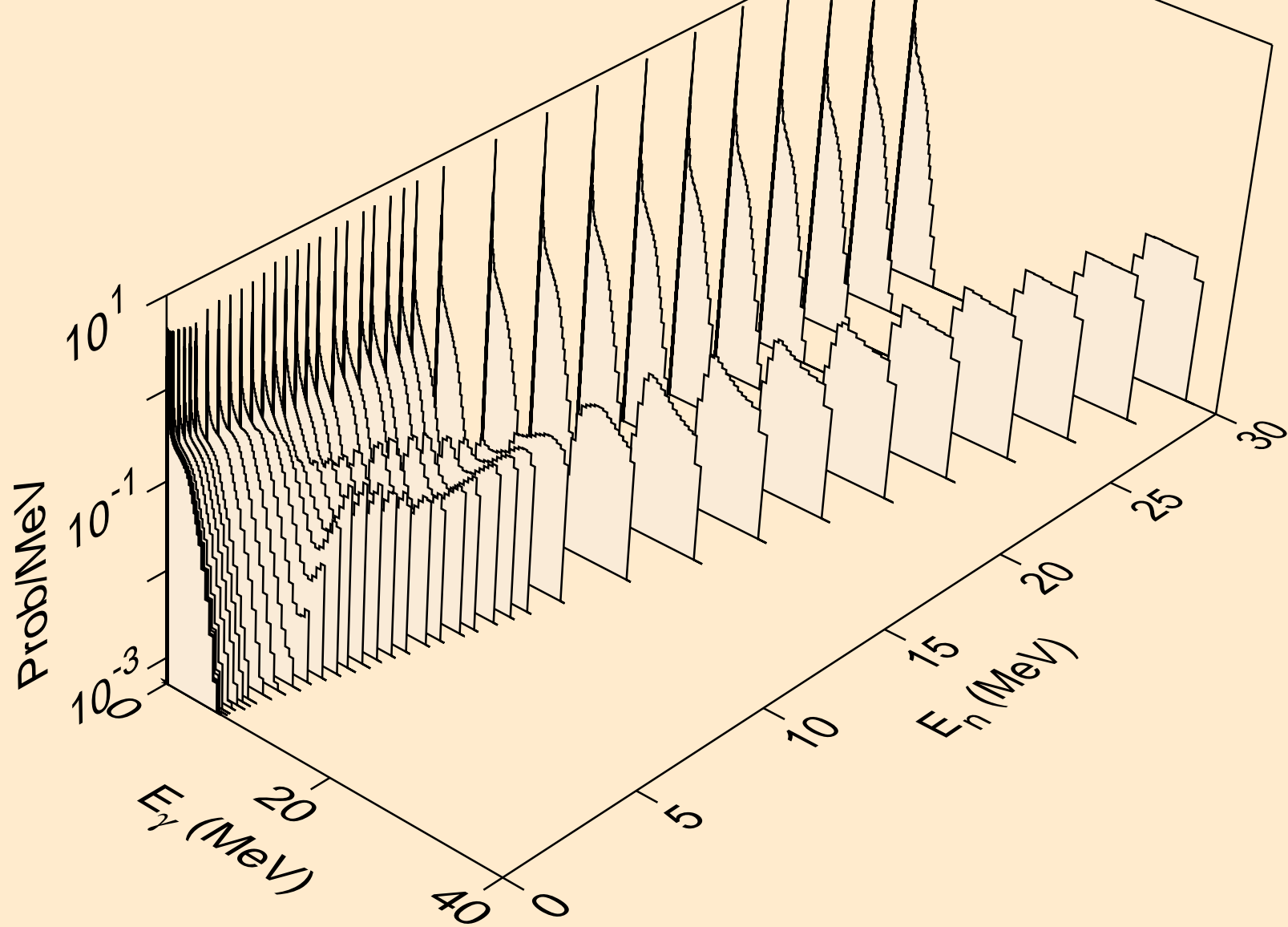
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,npa)



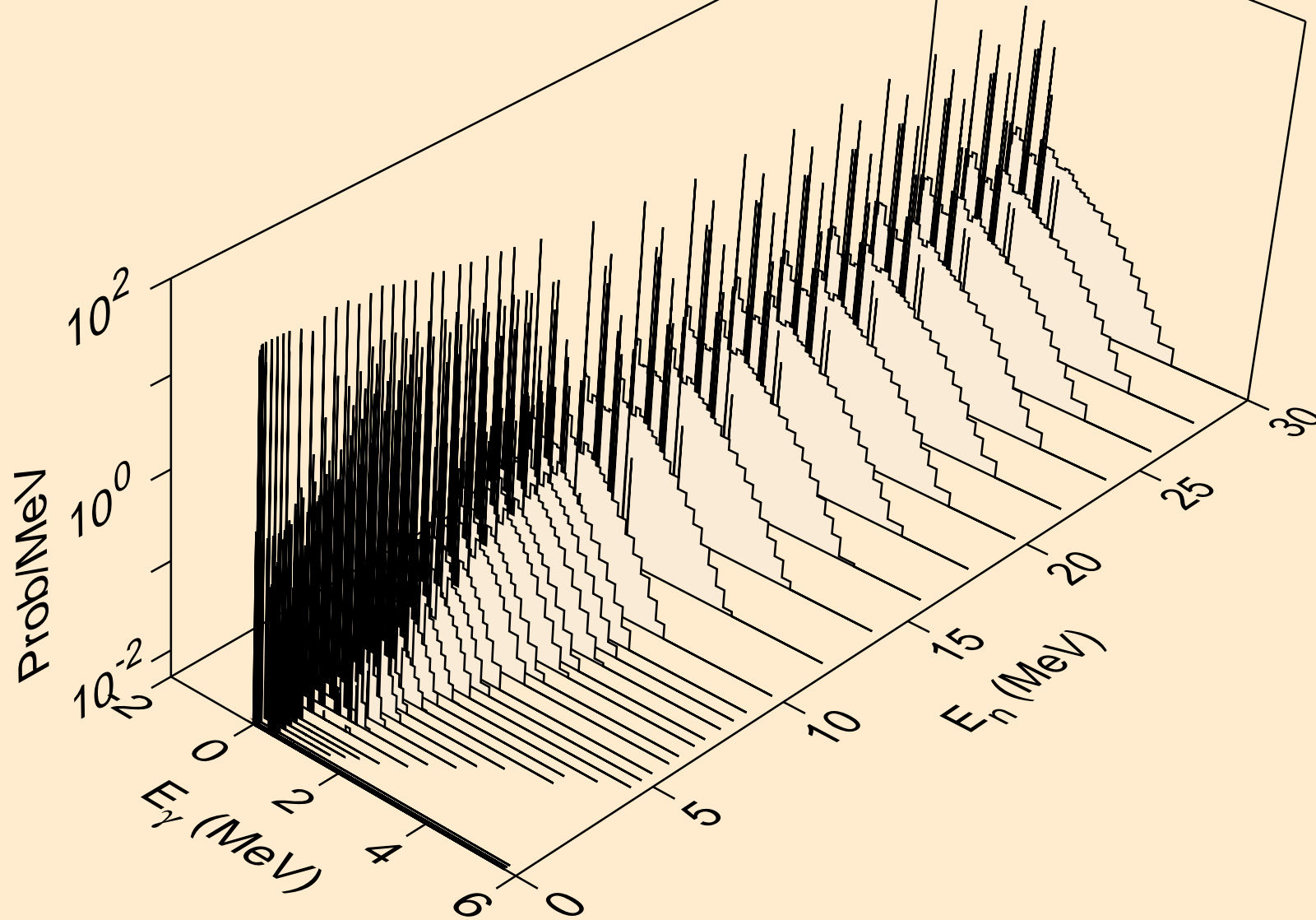
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*c)



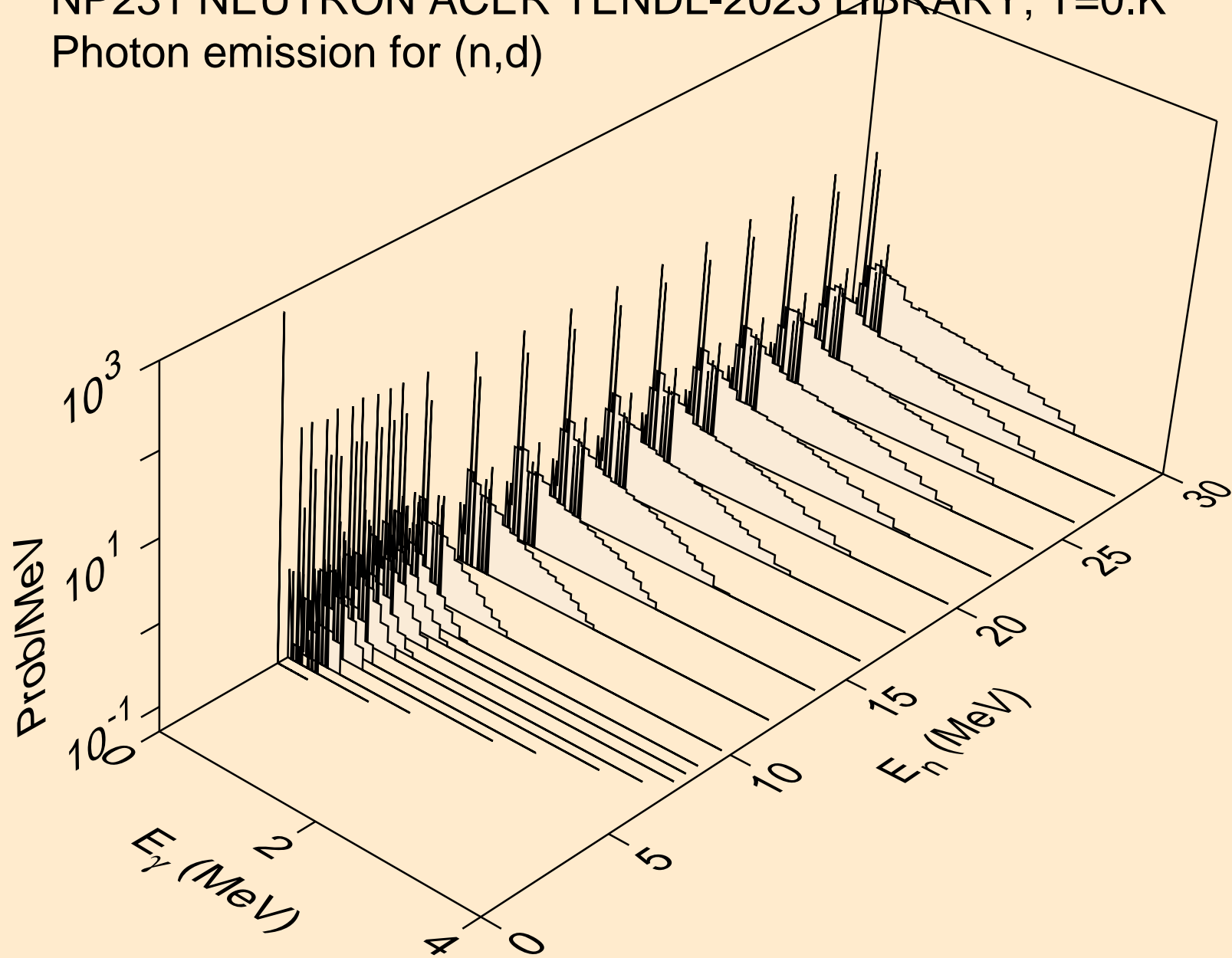
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)



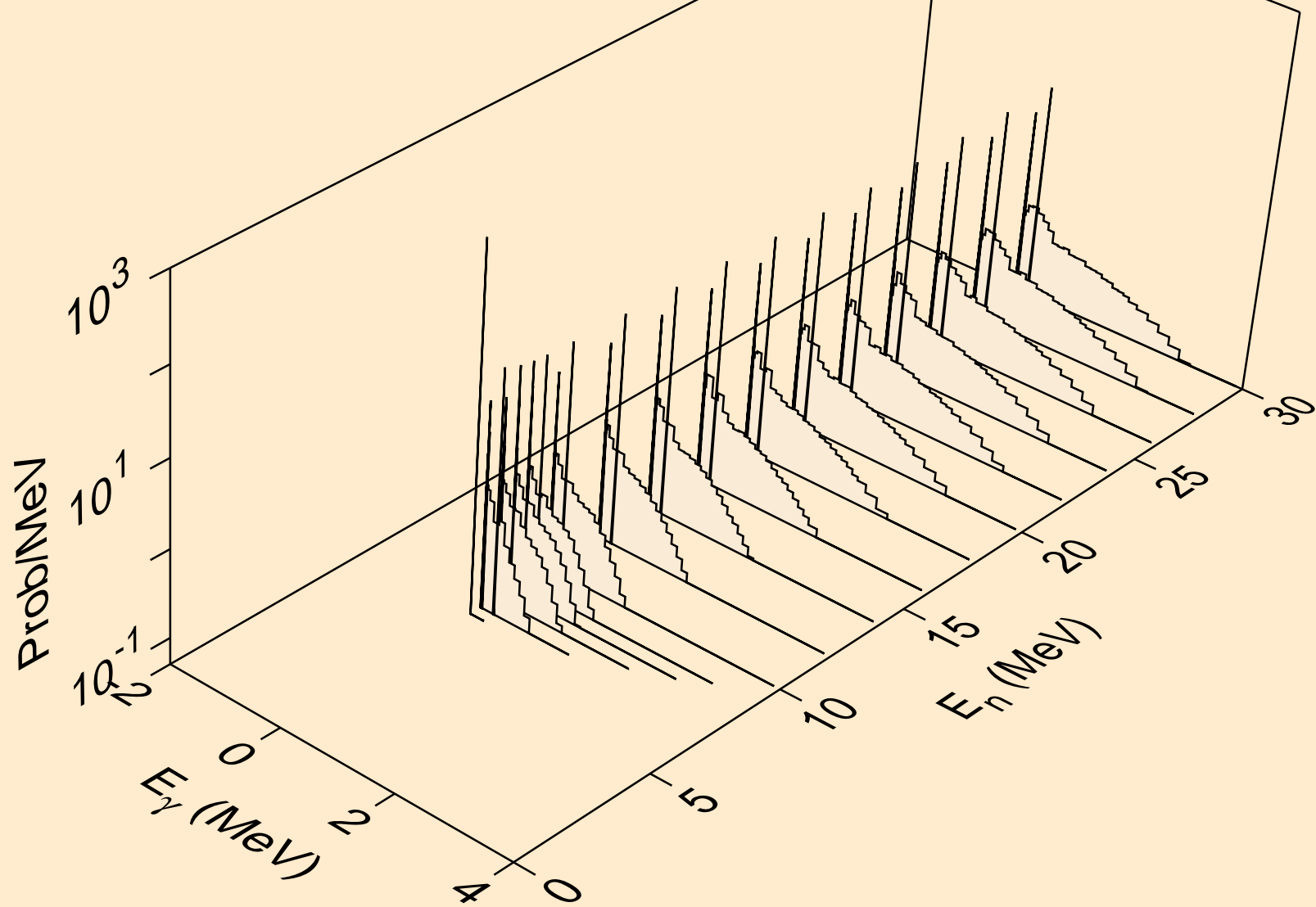
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p)



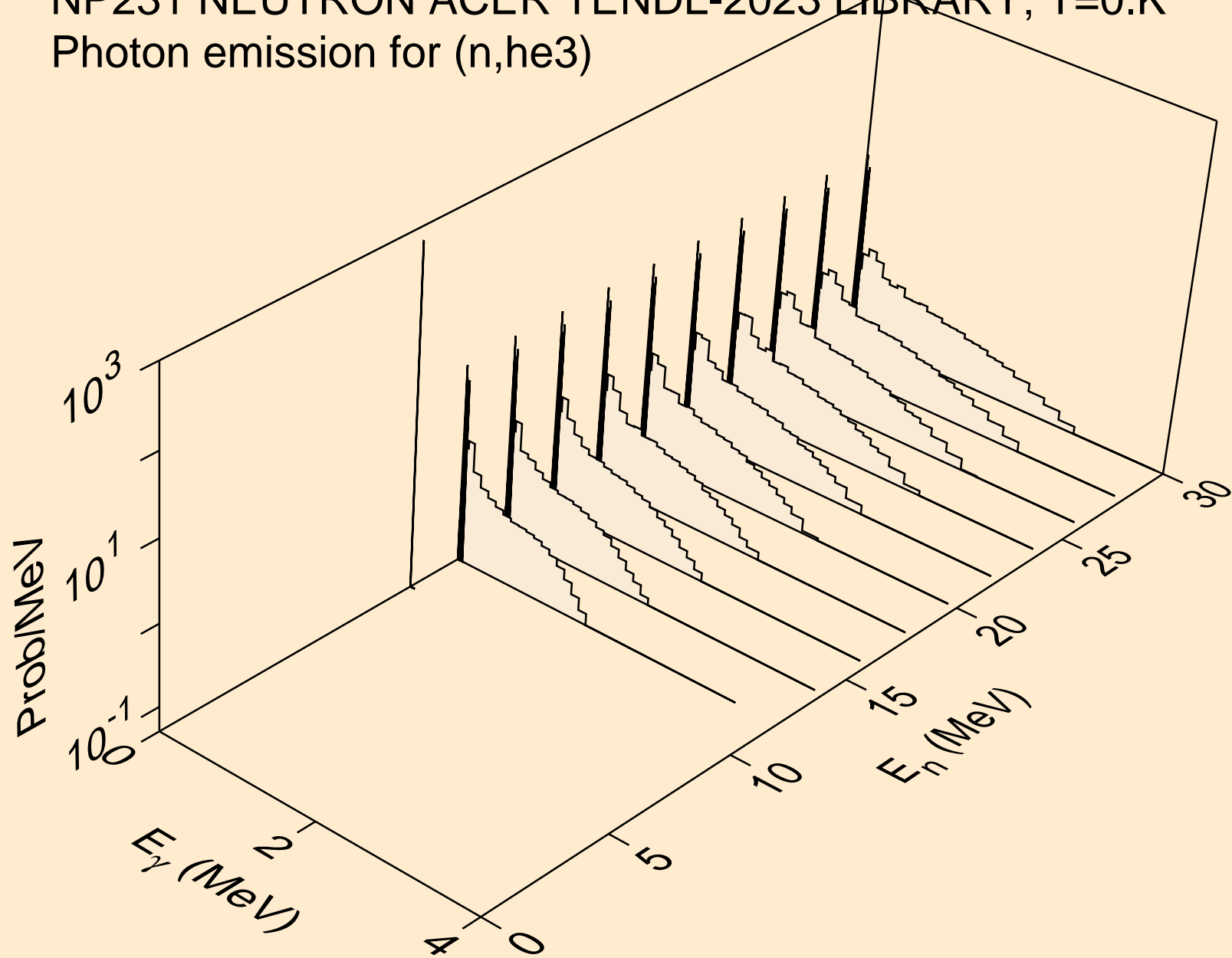
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,d)



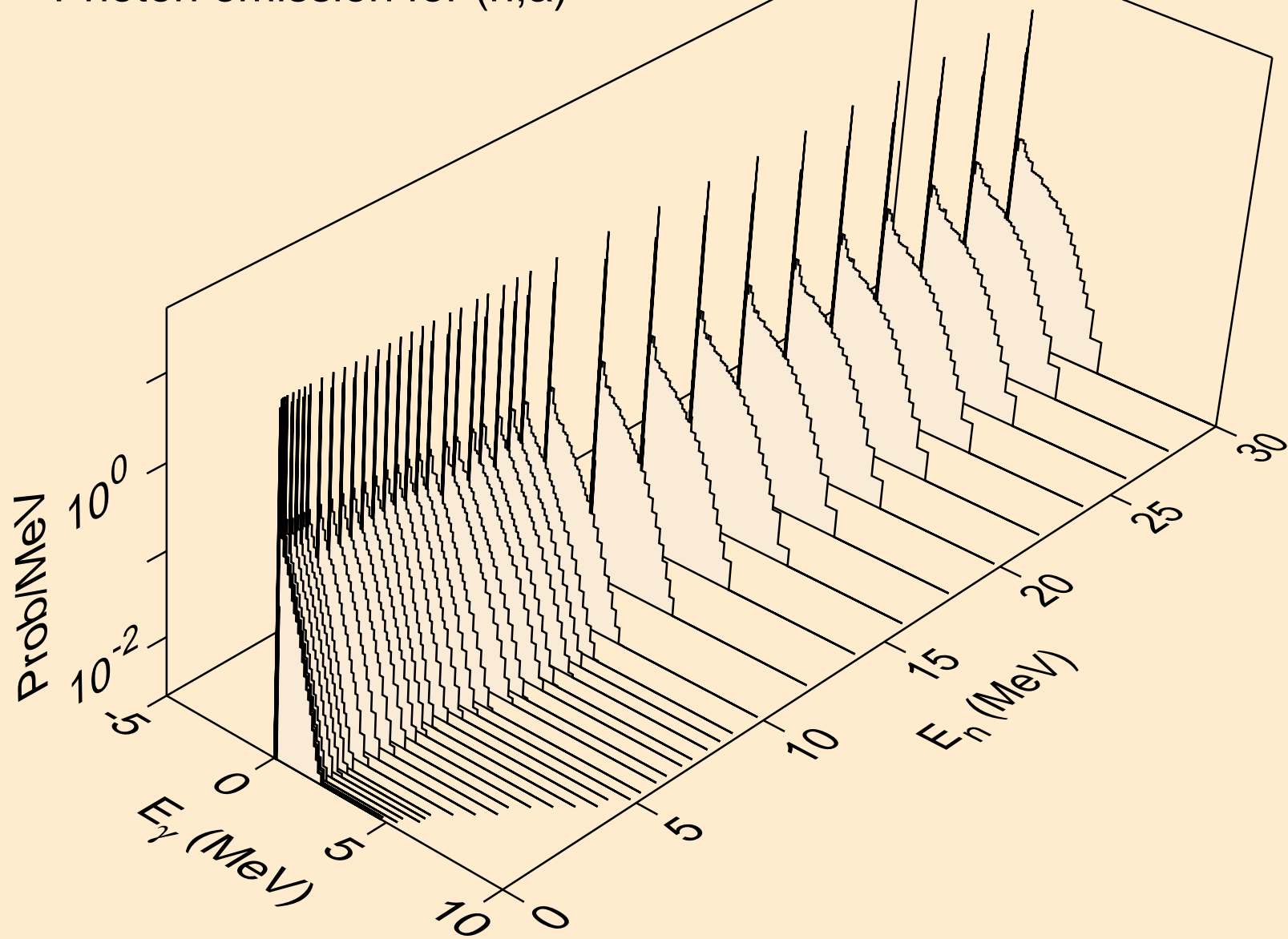
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t)



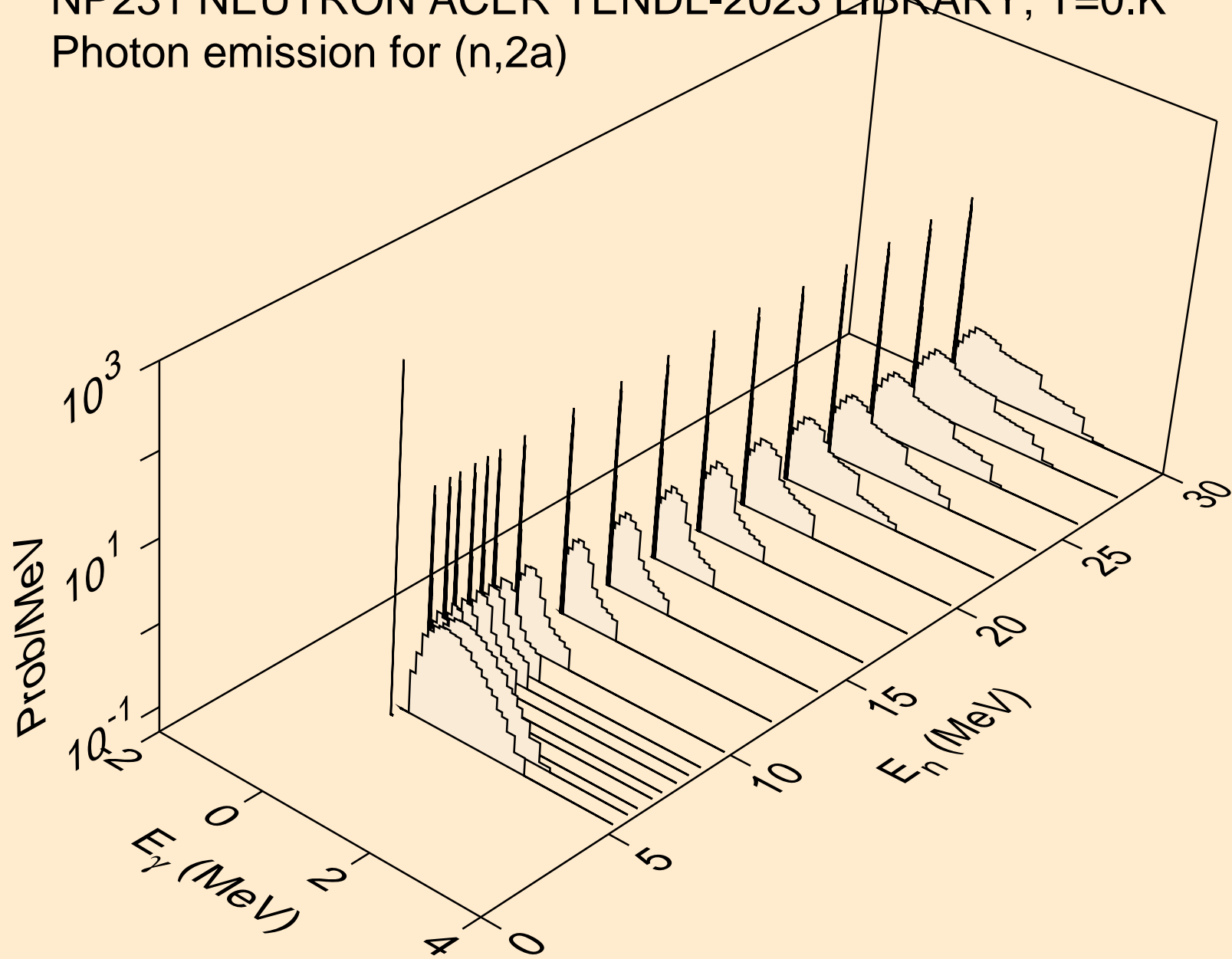
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,he3)



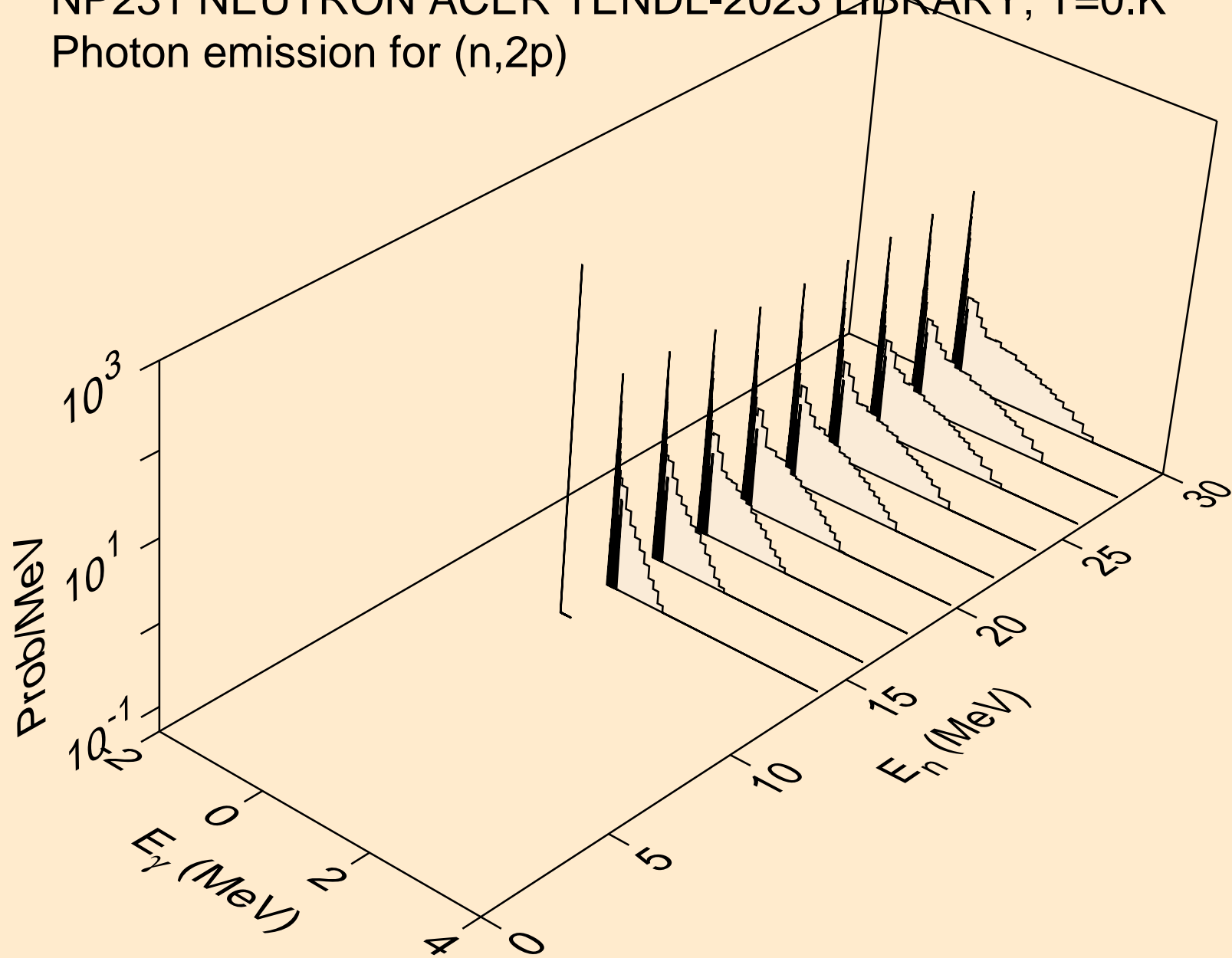
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,a)



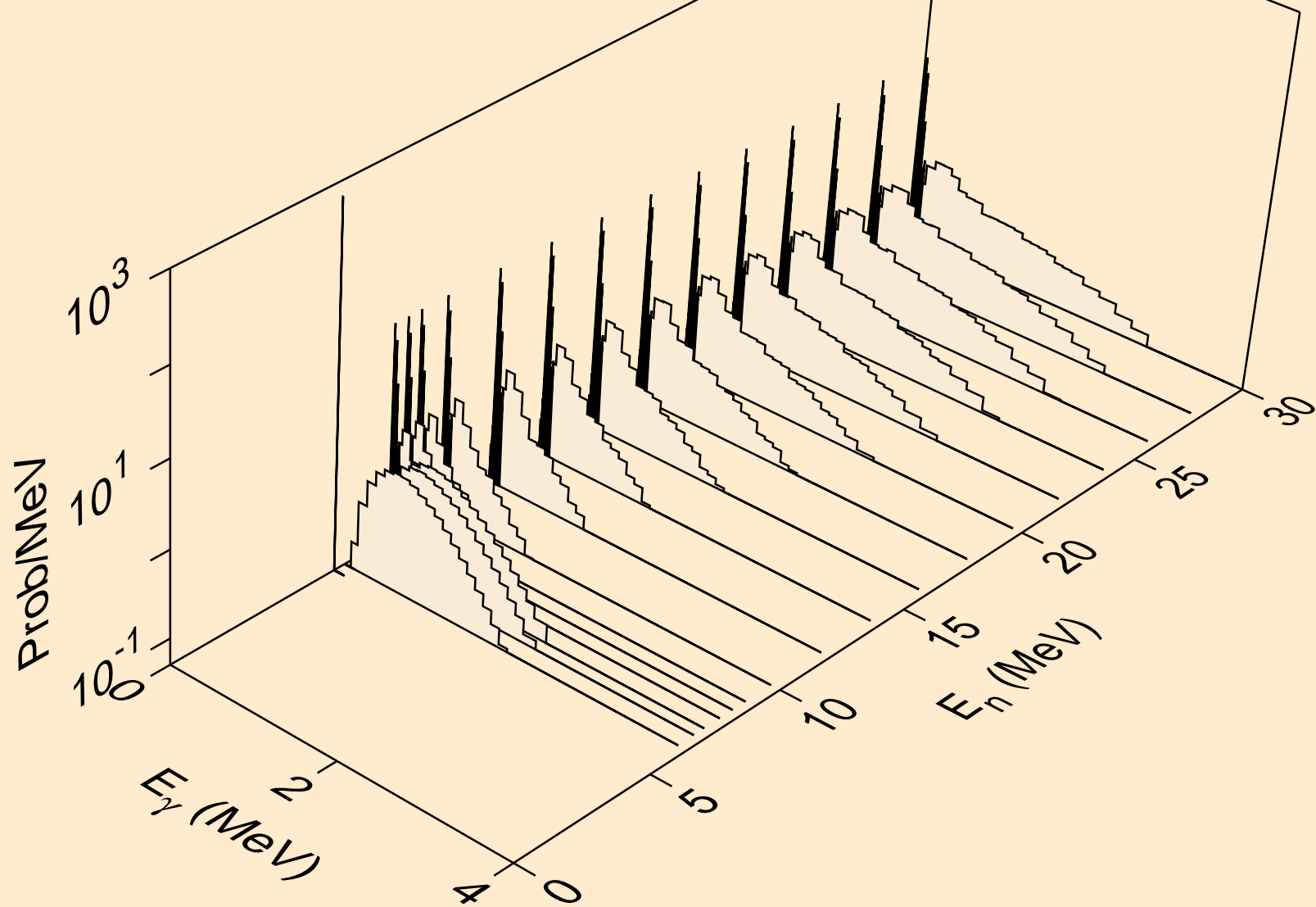
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Photon emission for (n,2a)



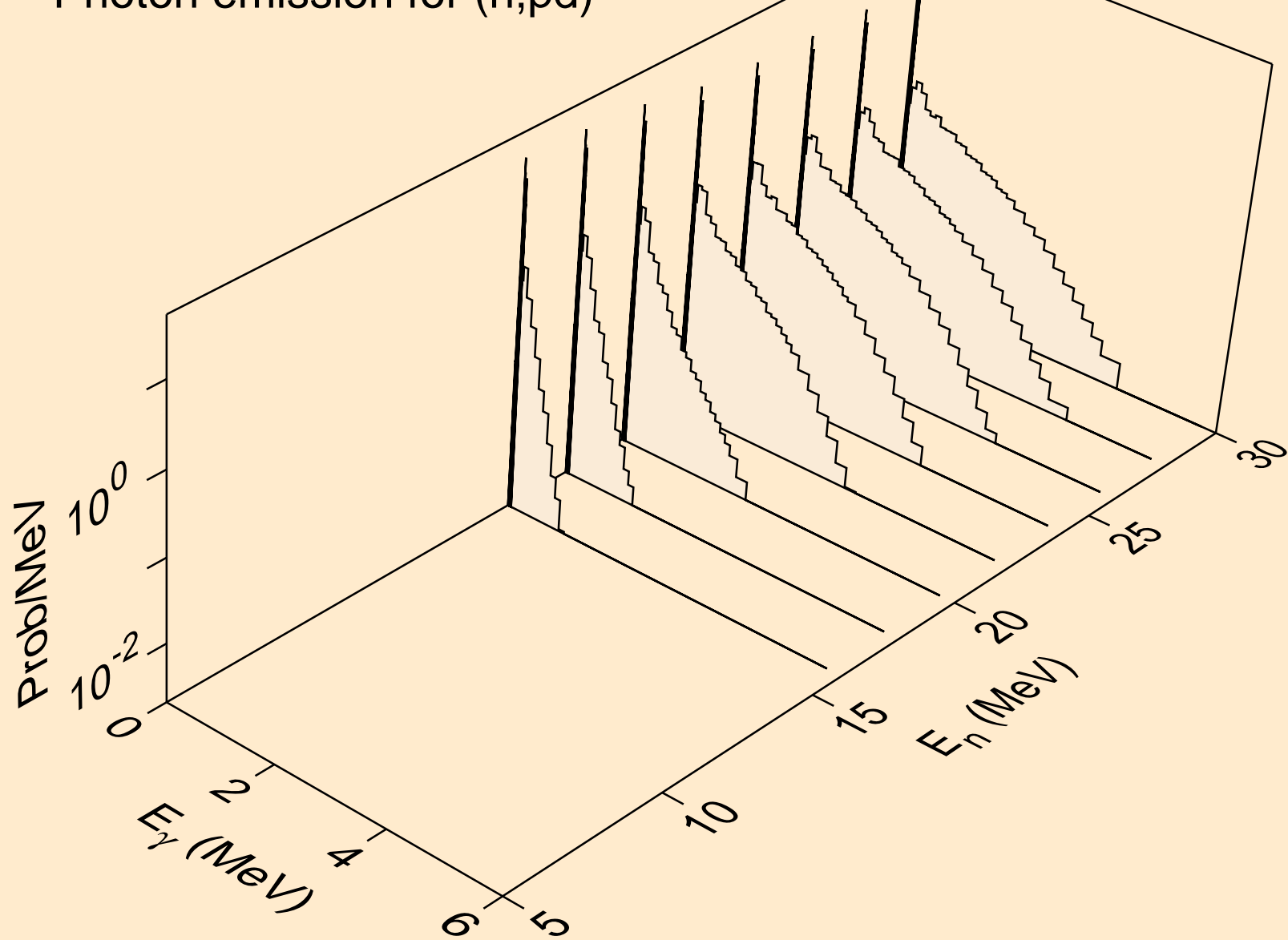
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2p)



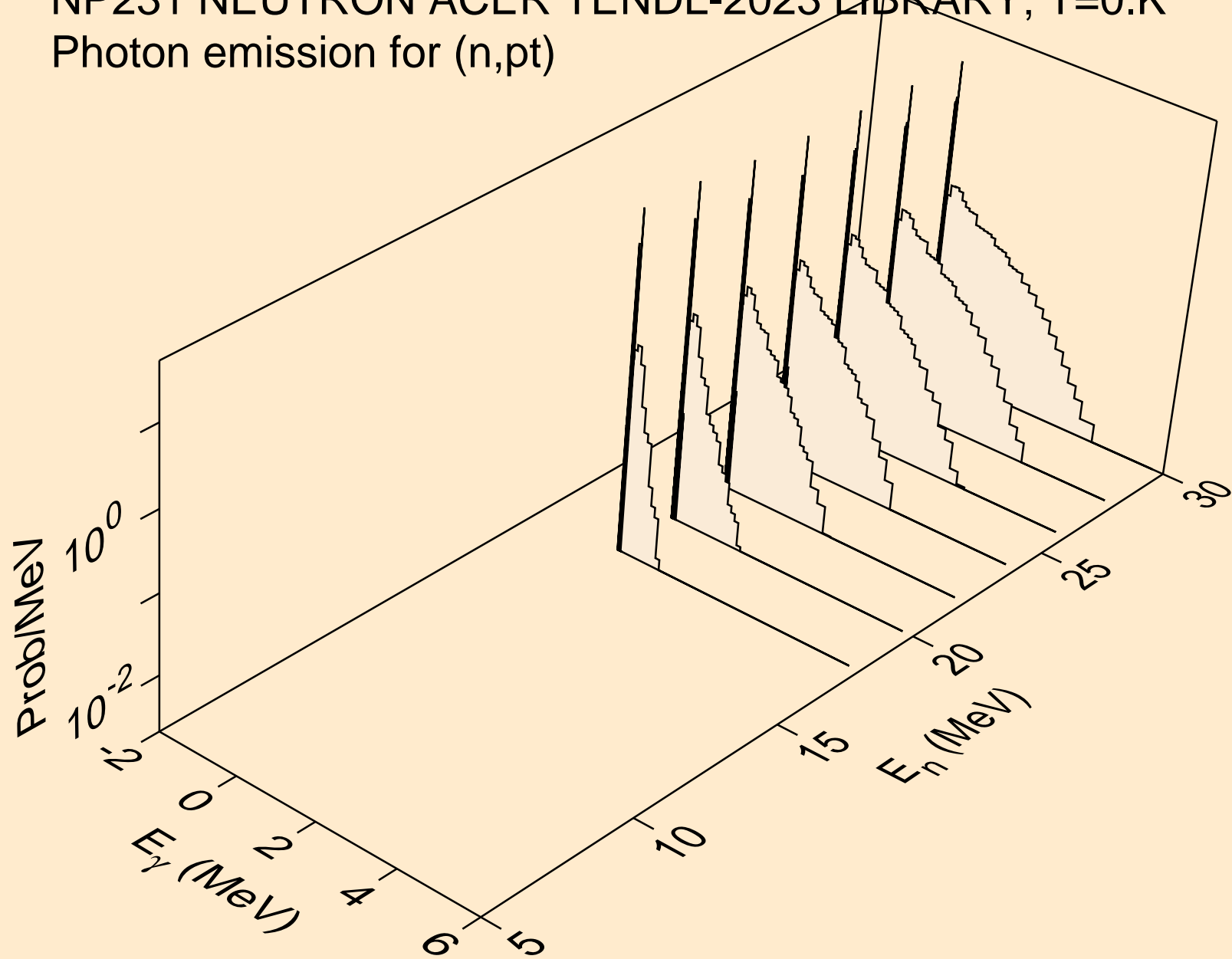
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p α)



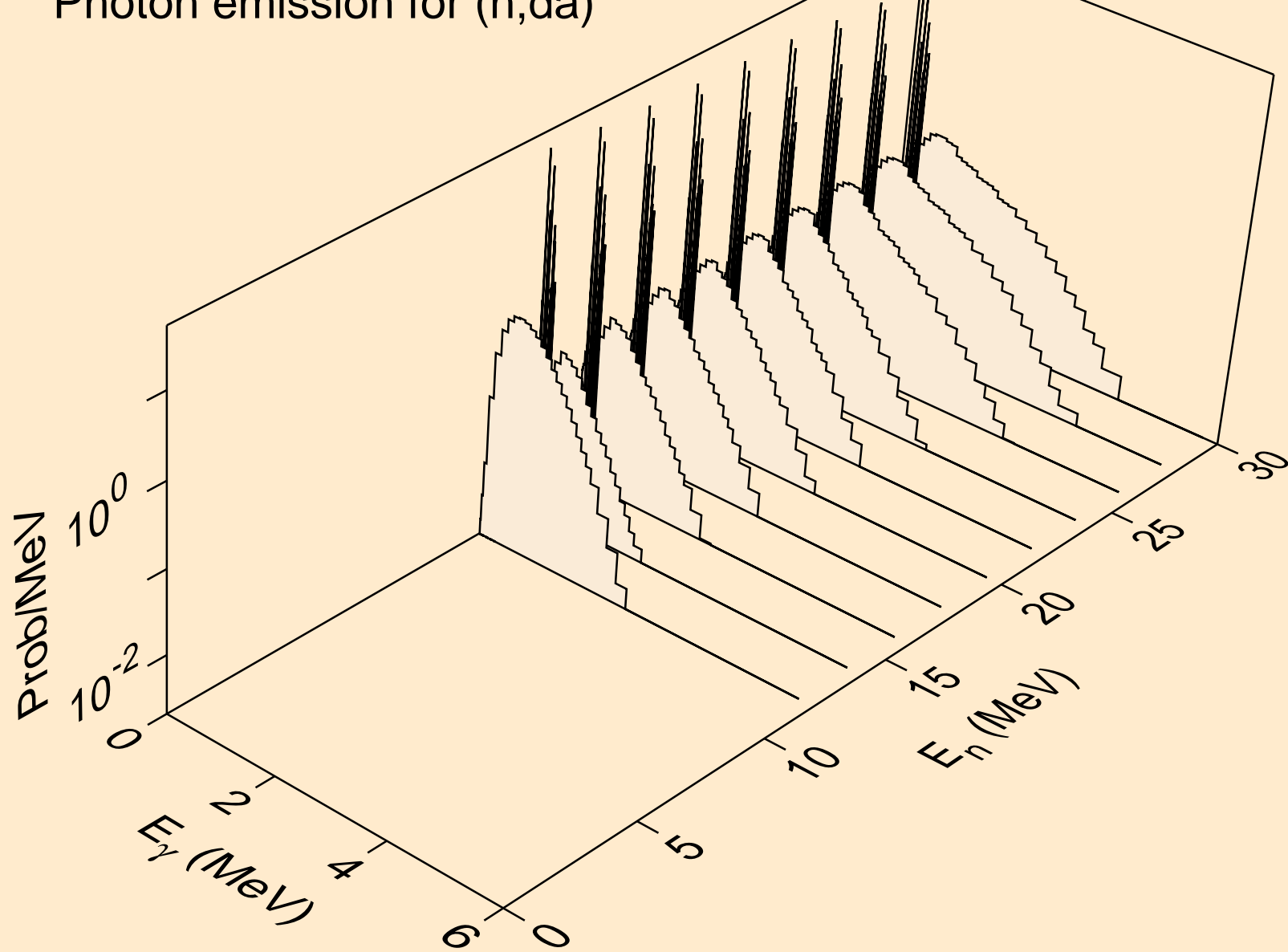
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pd)



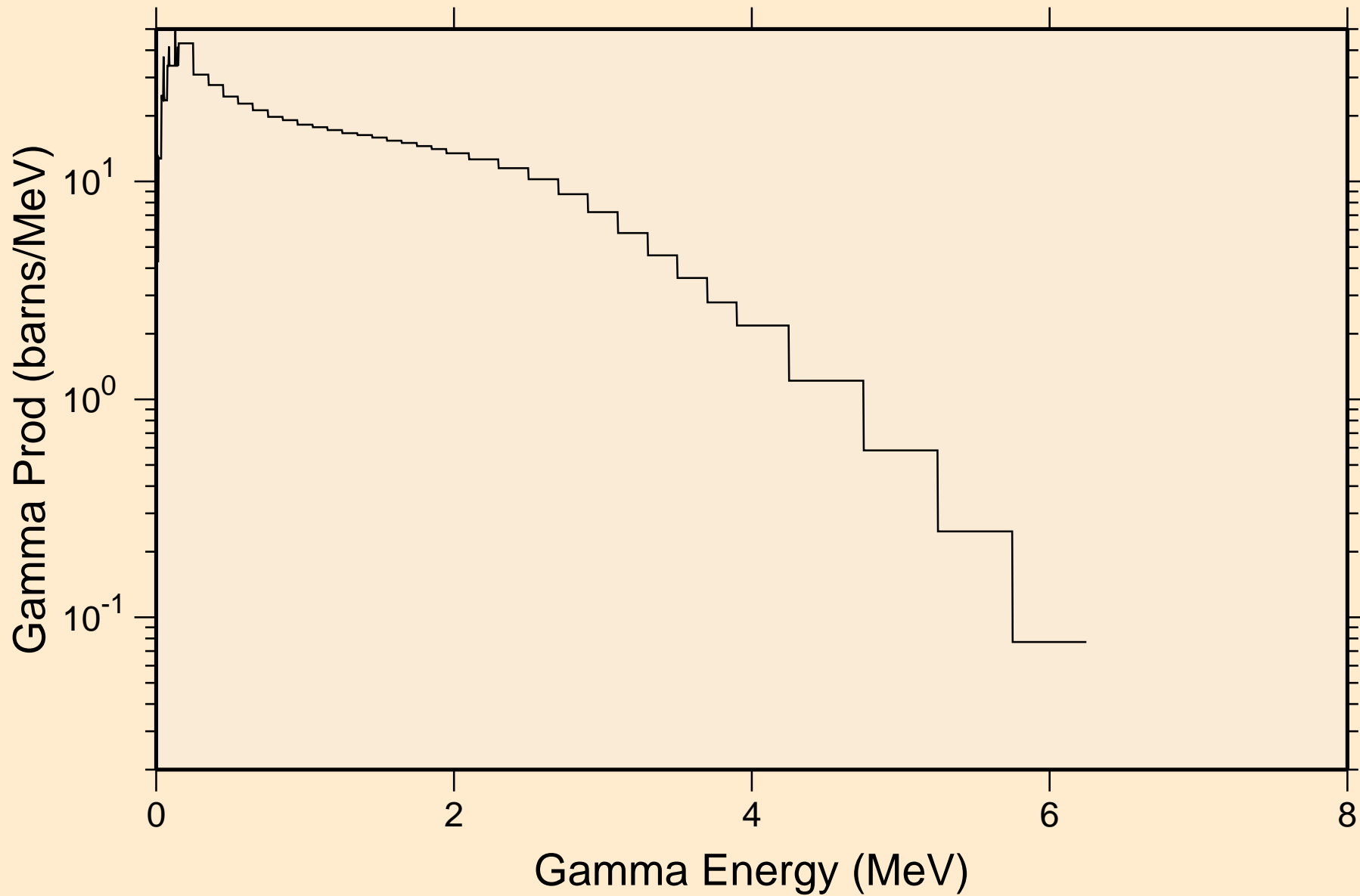
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pt)



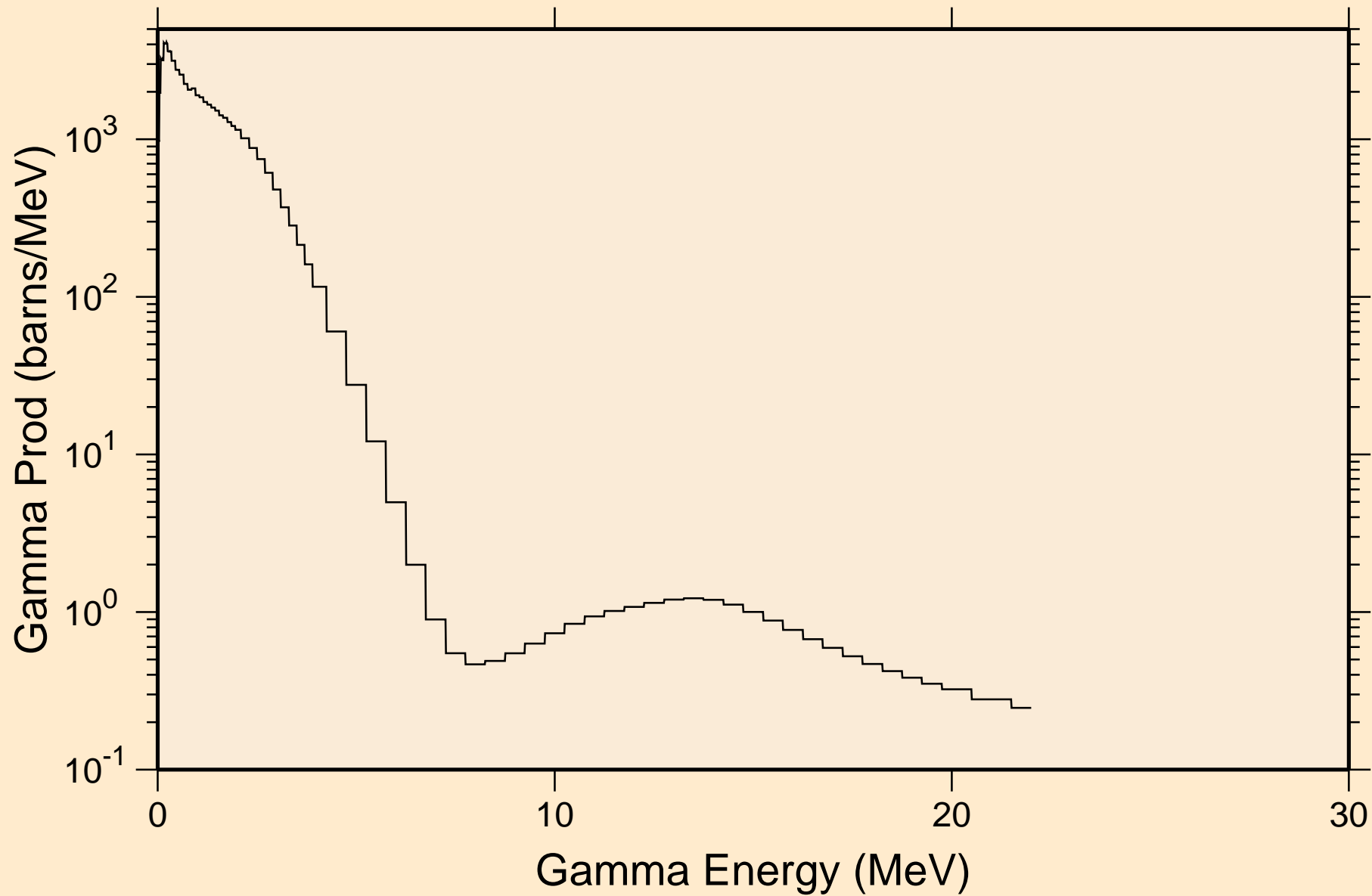
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,da)



NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
thermal capture photon spectrum

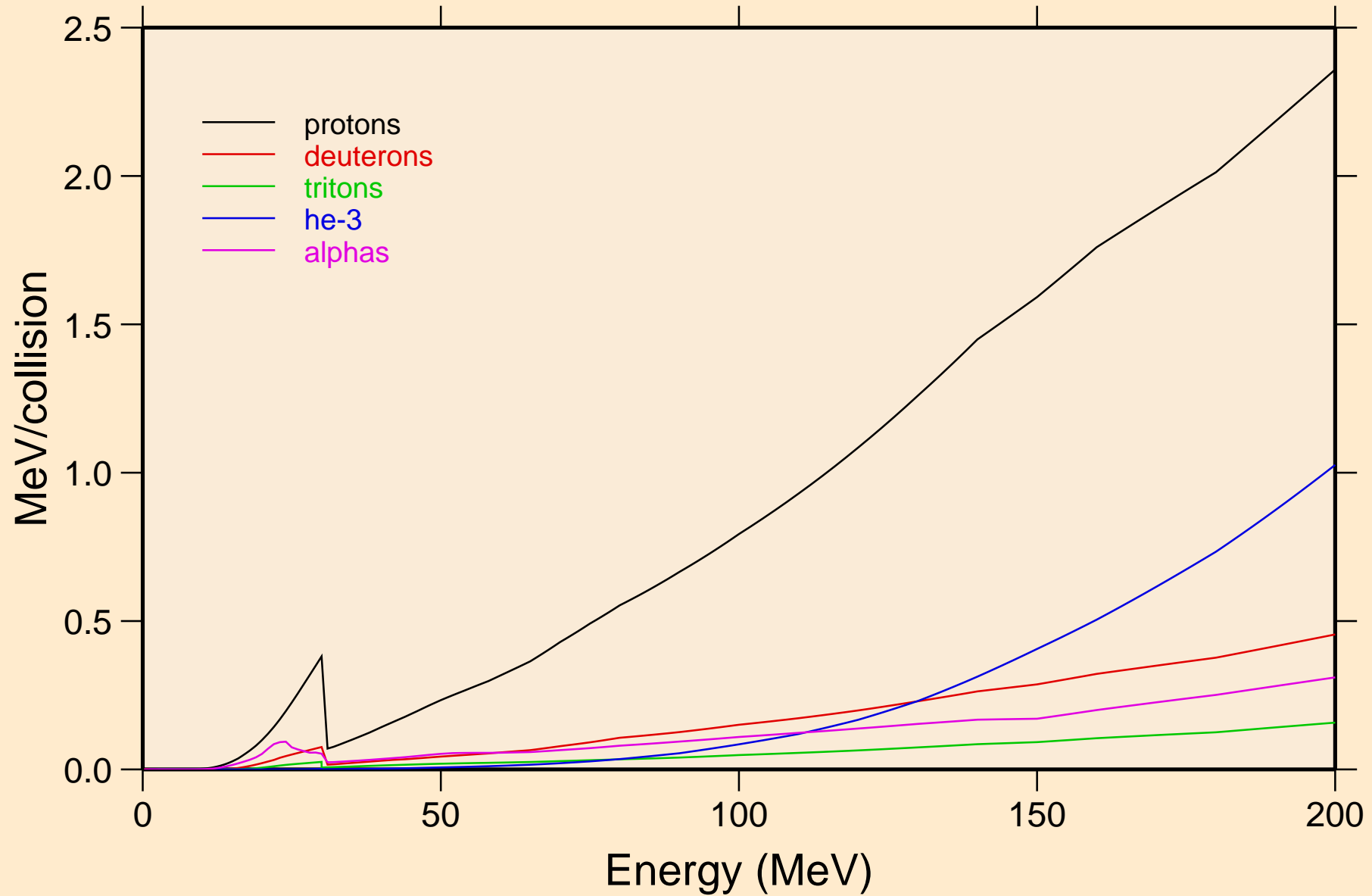


NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
14 MeV photon spectrum



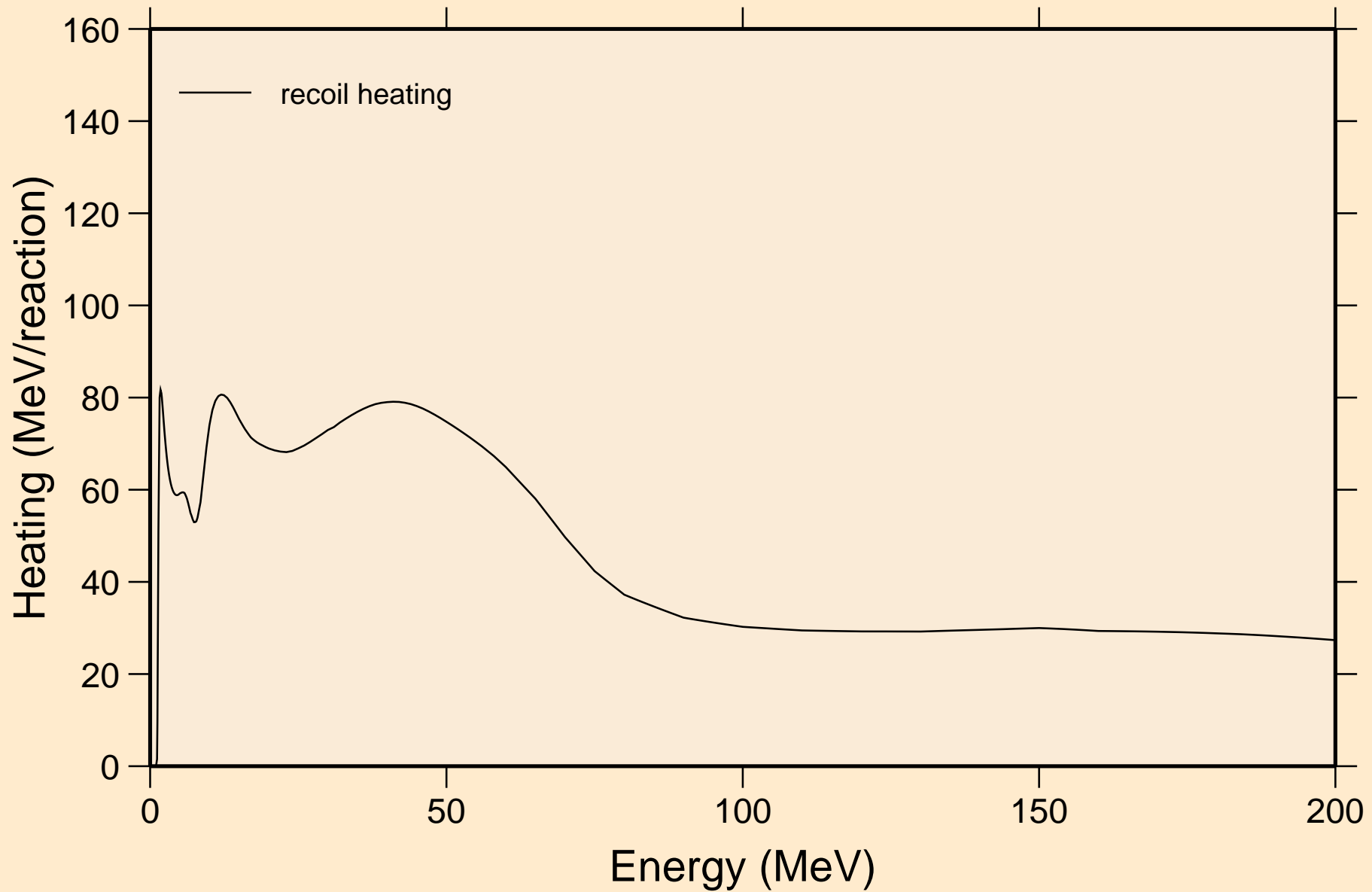
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Particle heating contributions



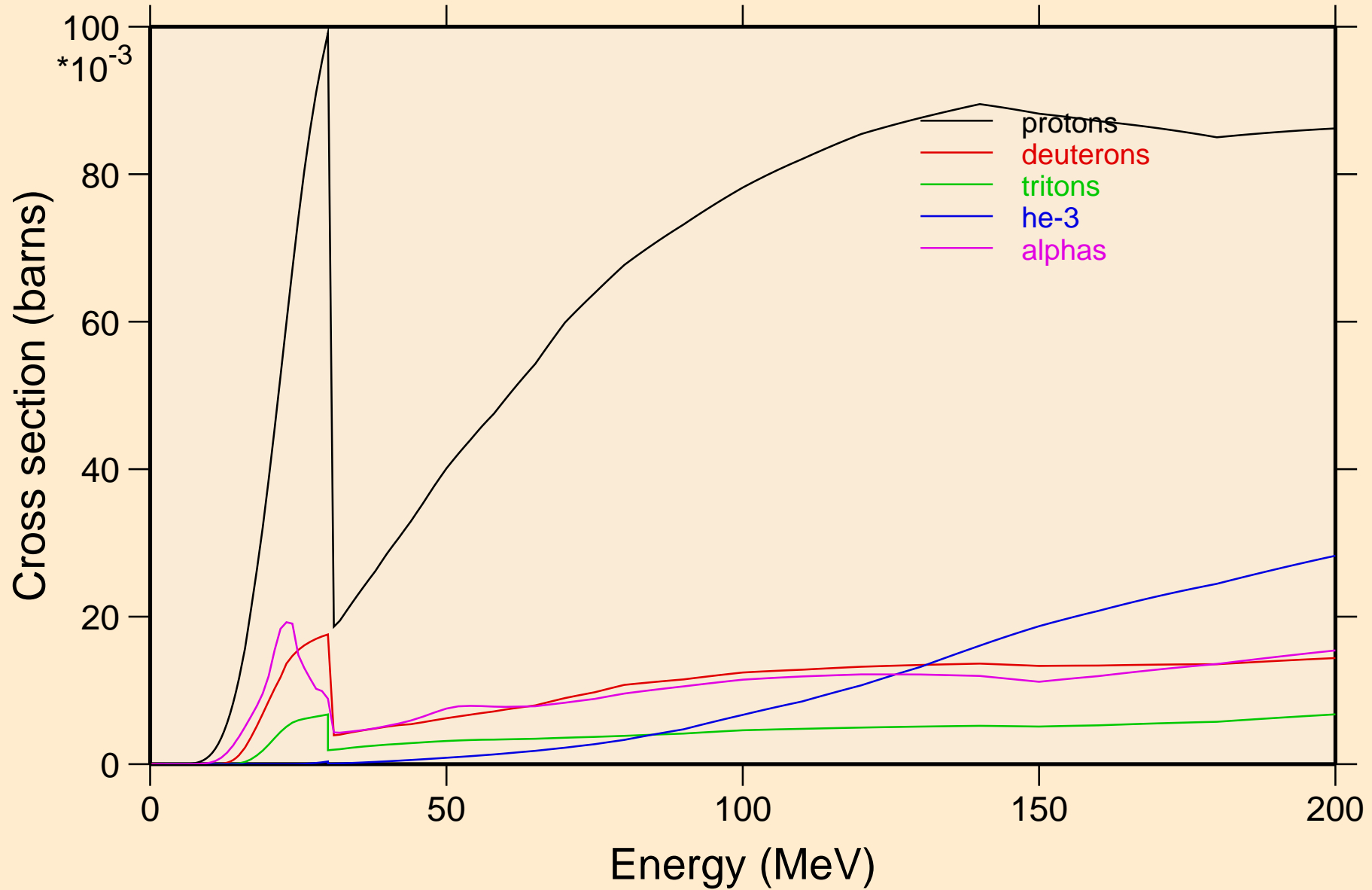
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Recoil Heating

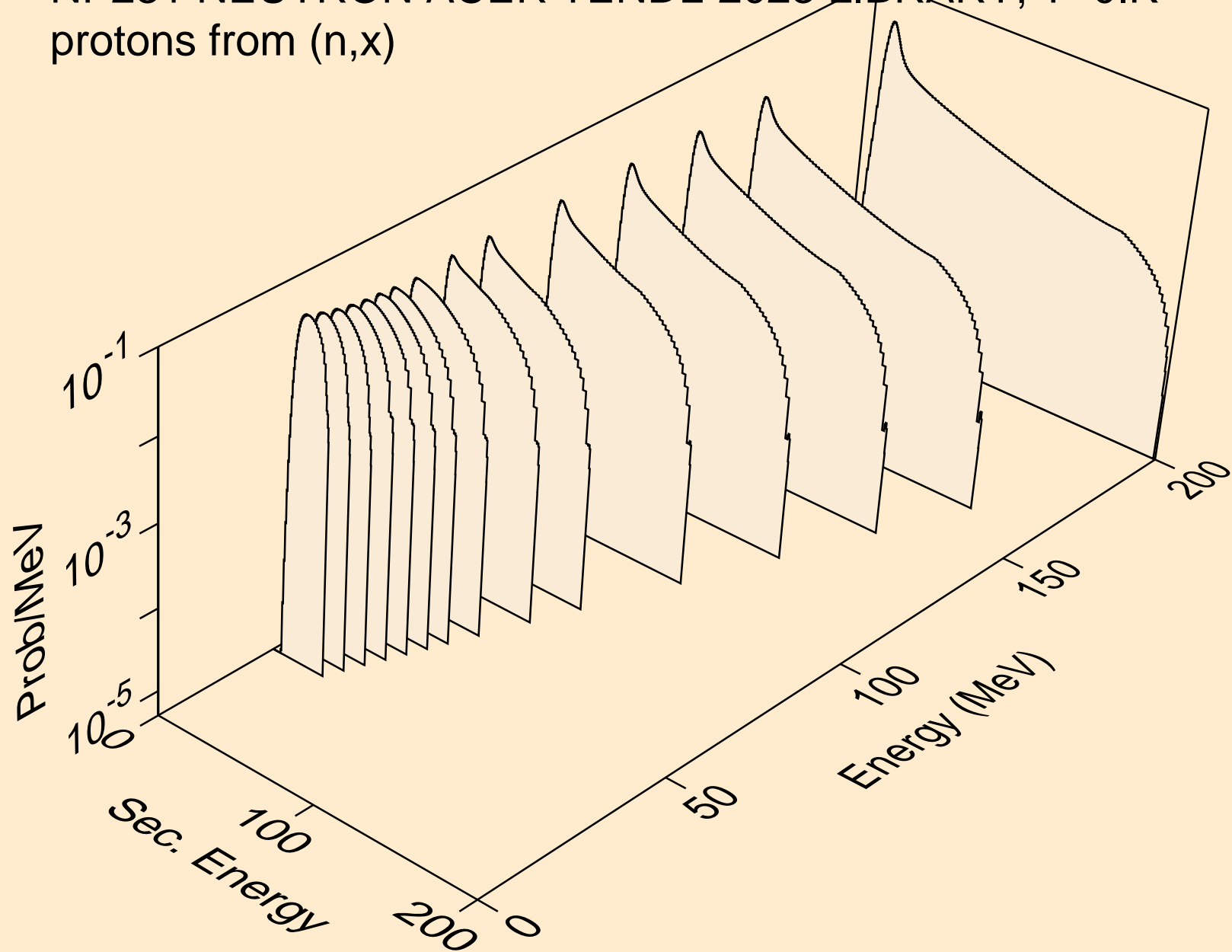


NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

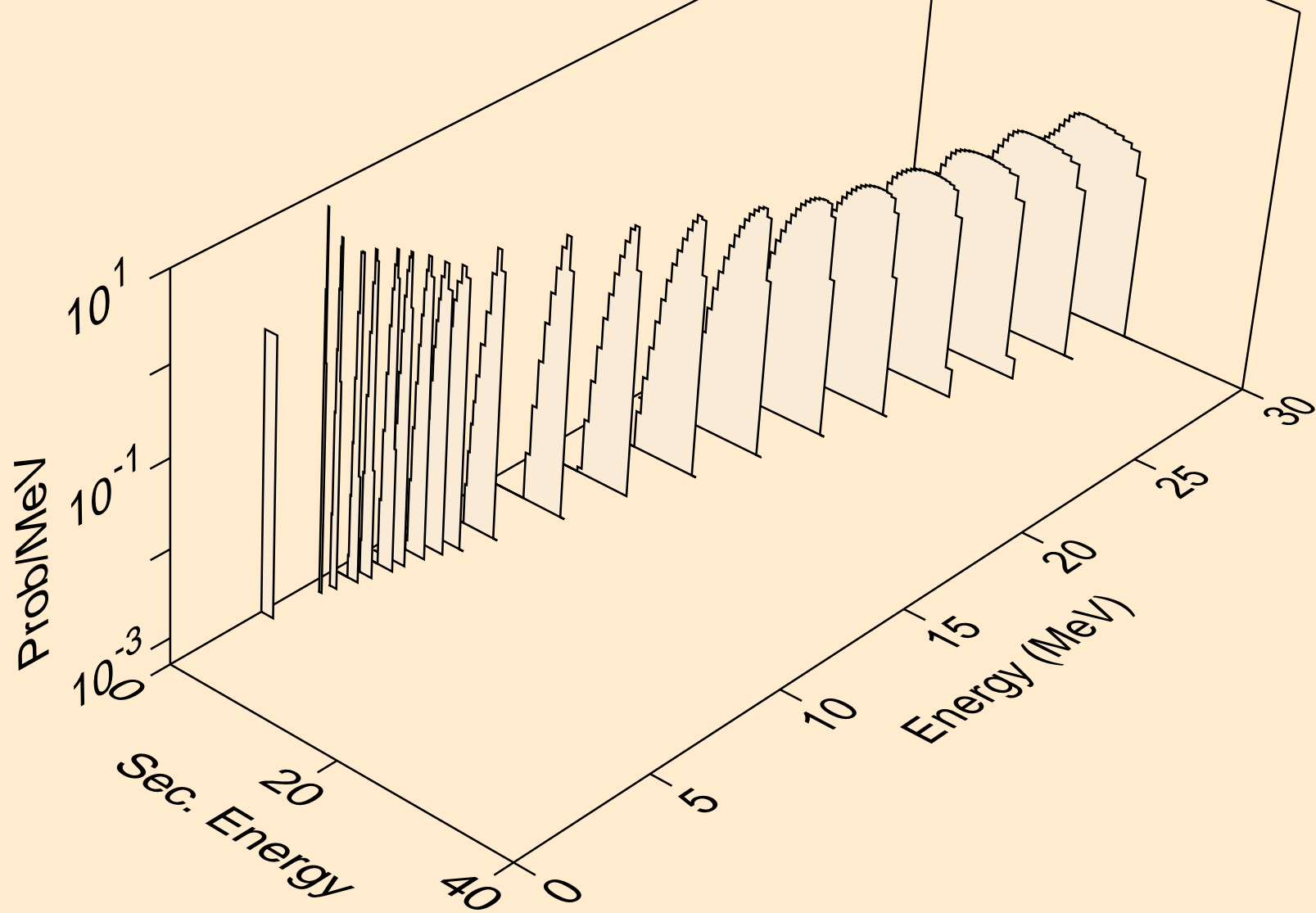
Particle production cross sections



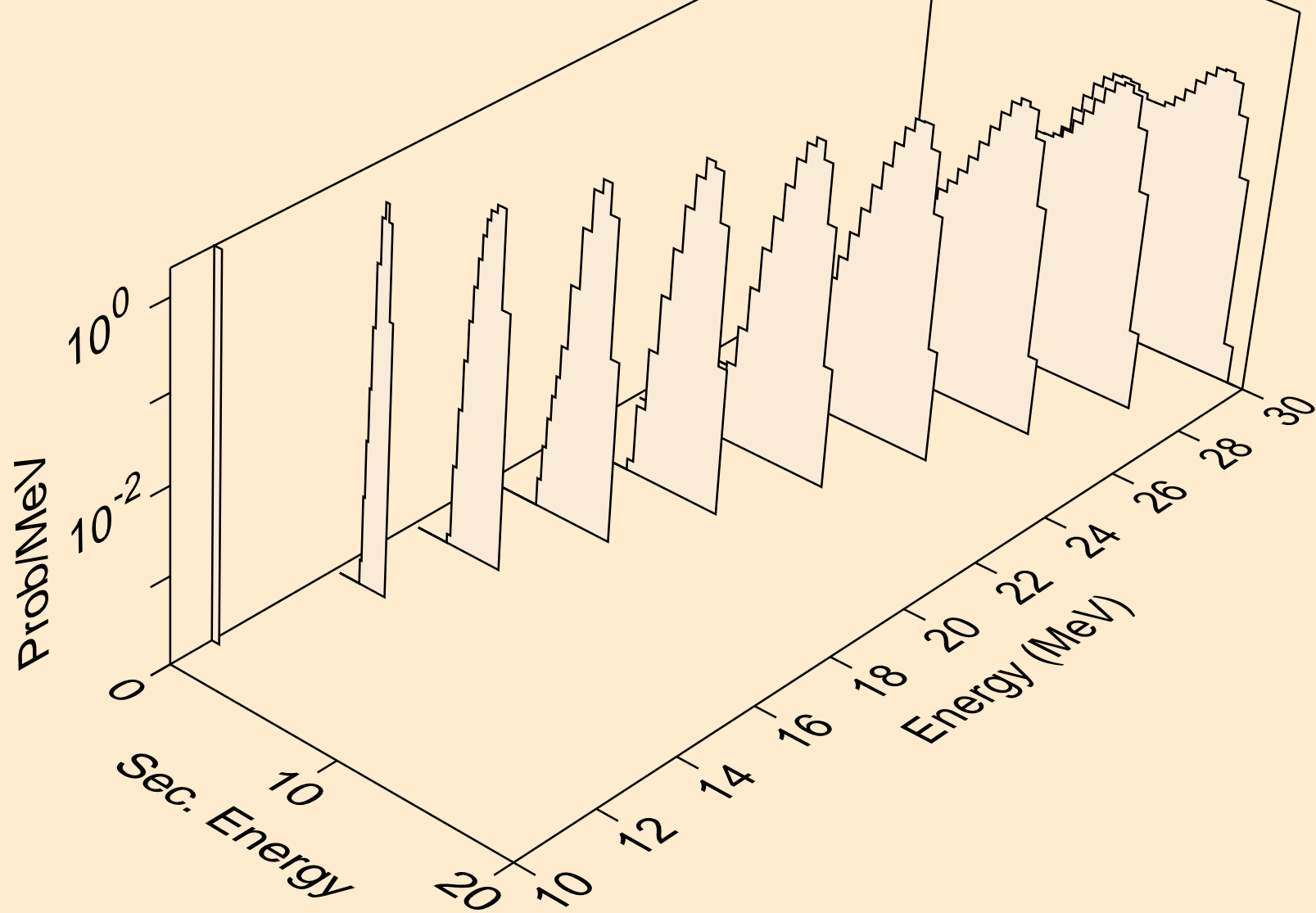
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,x)



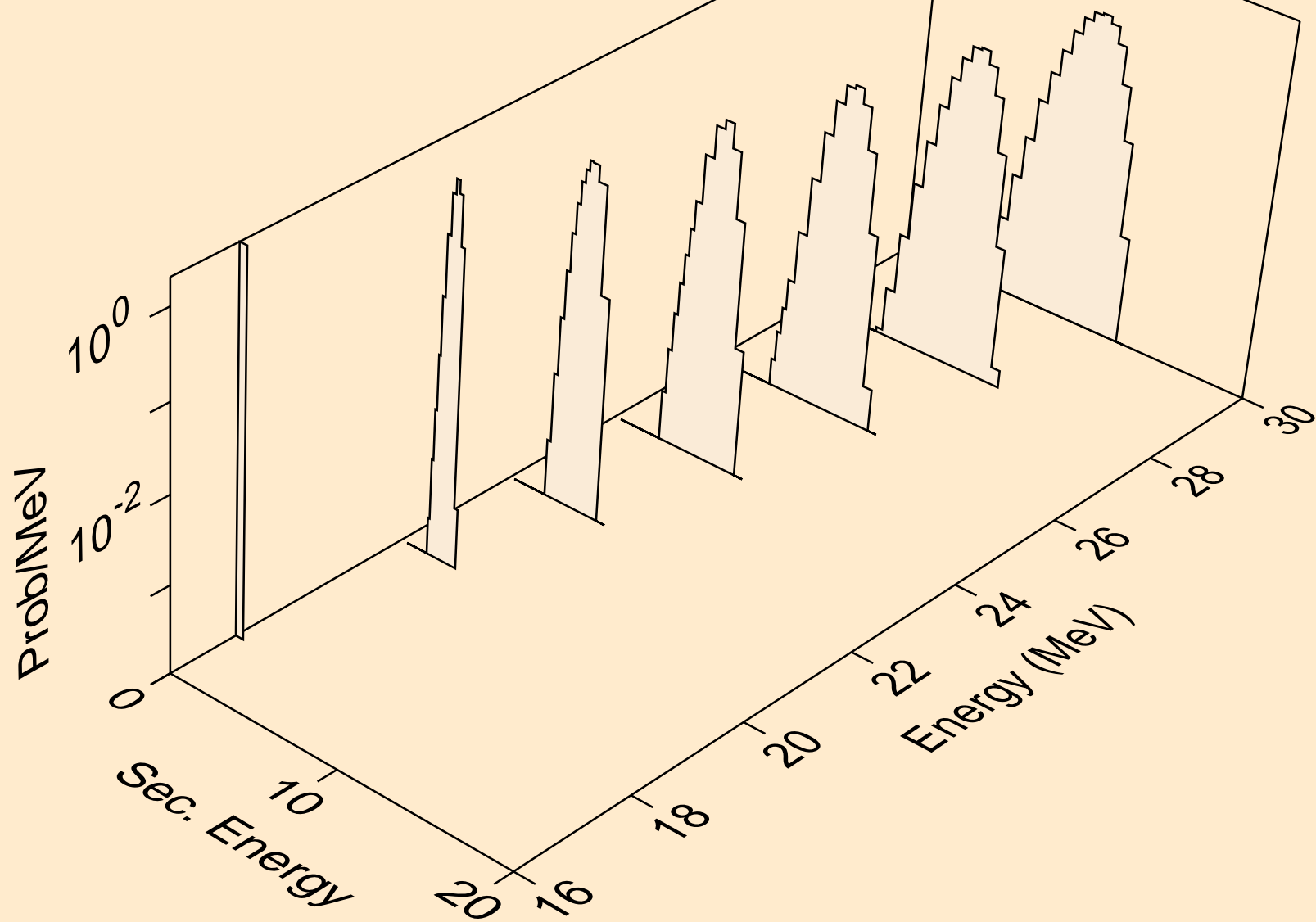
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,n*)p



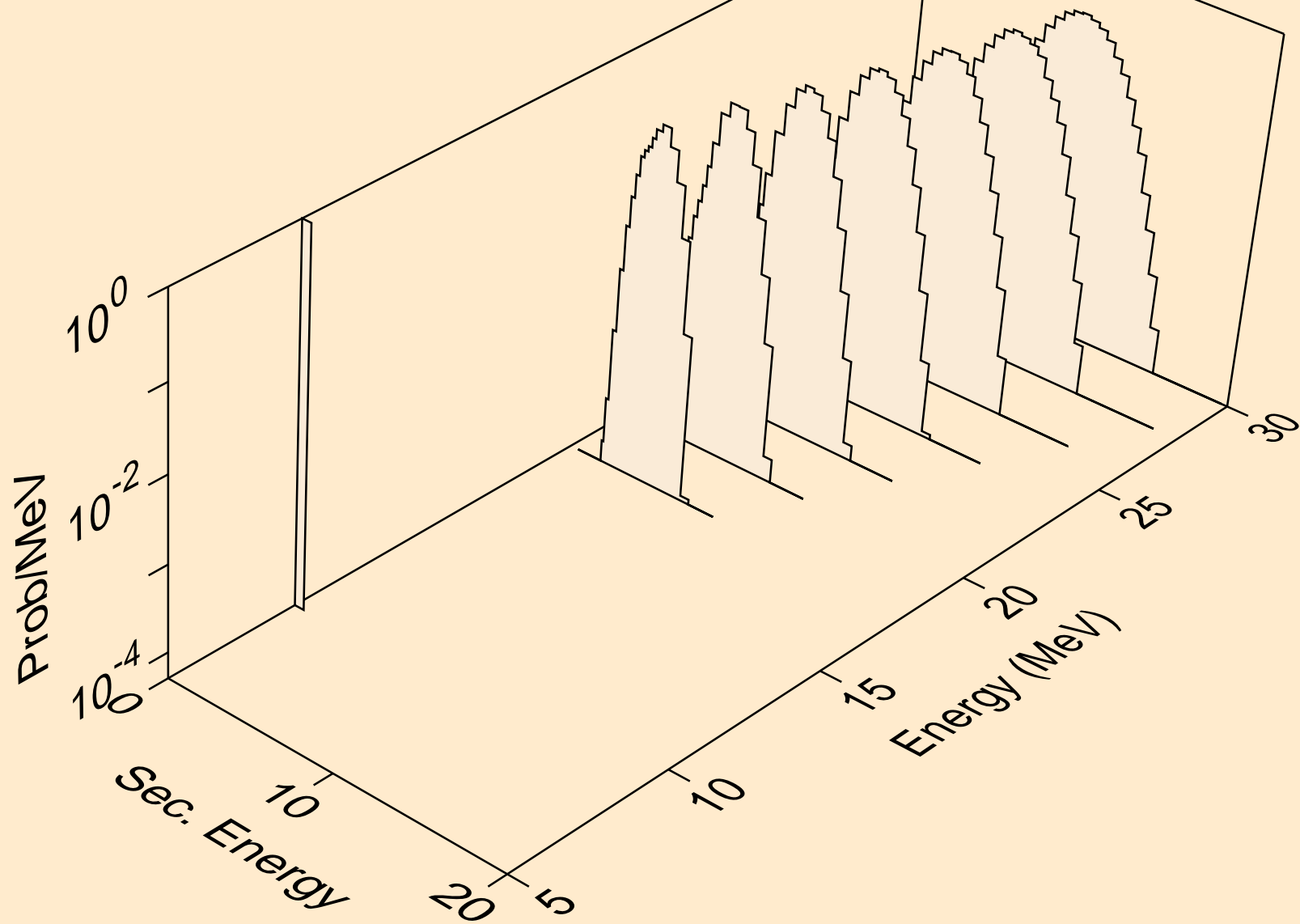
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protons from (n,2np)



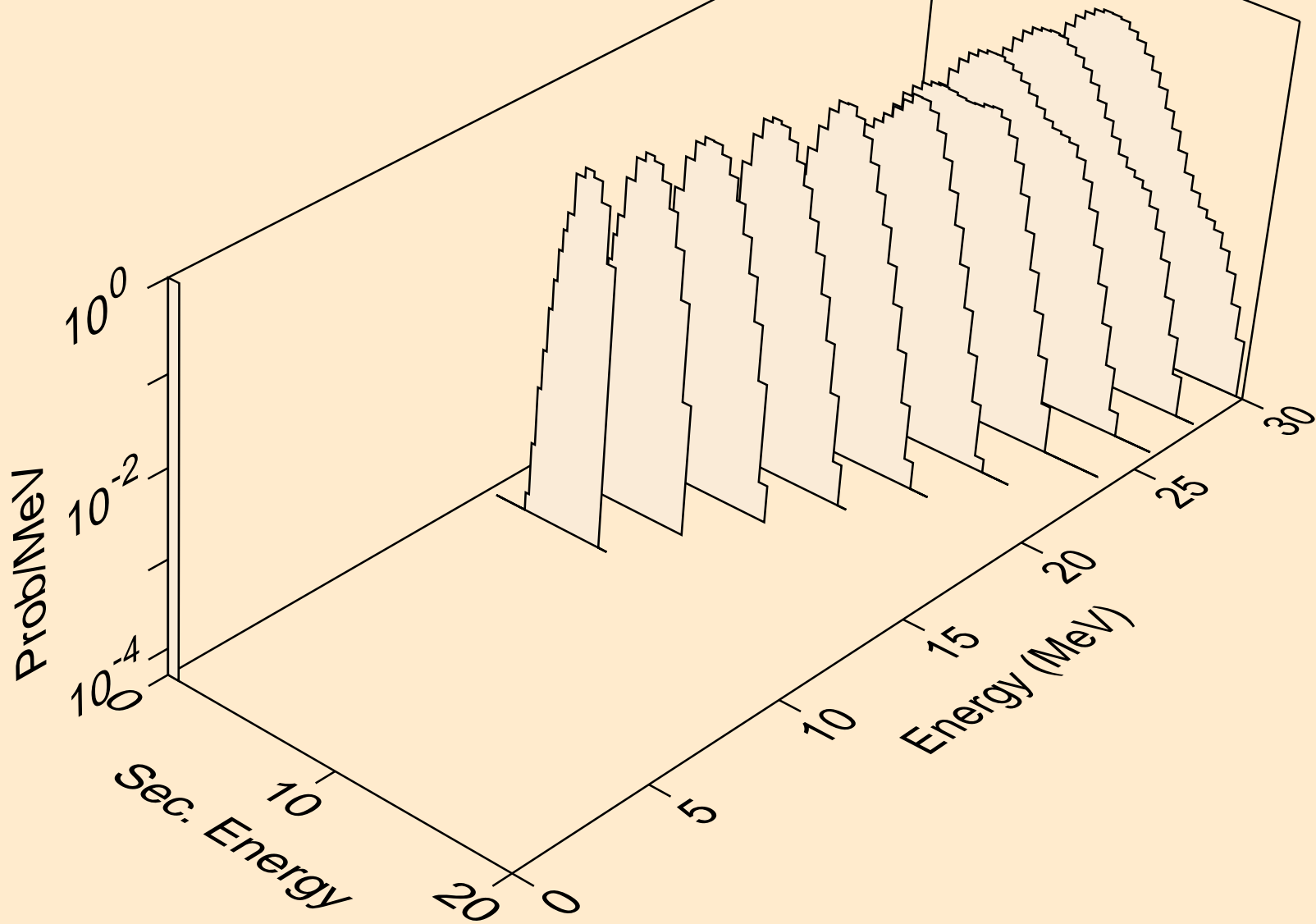
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,3np)



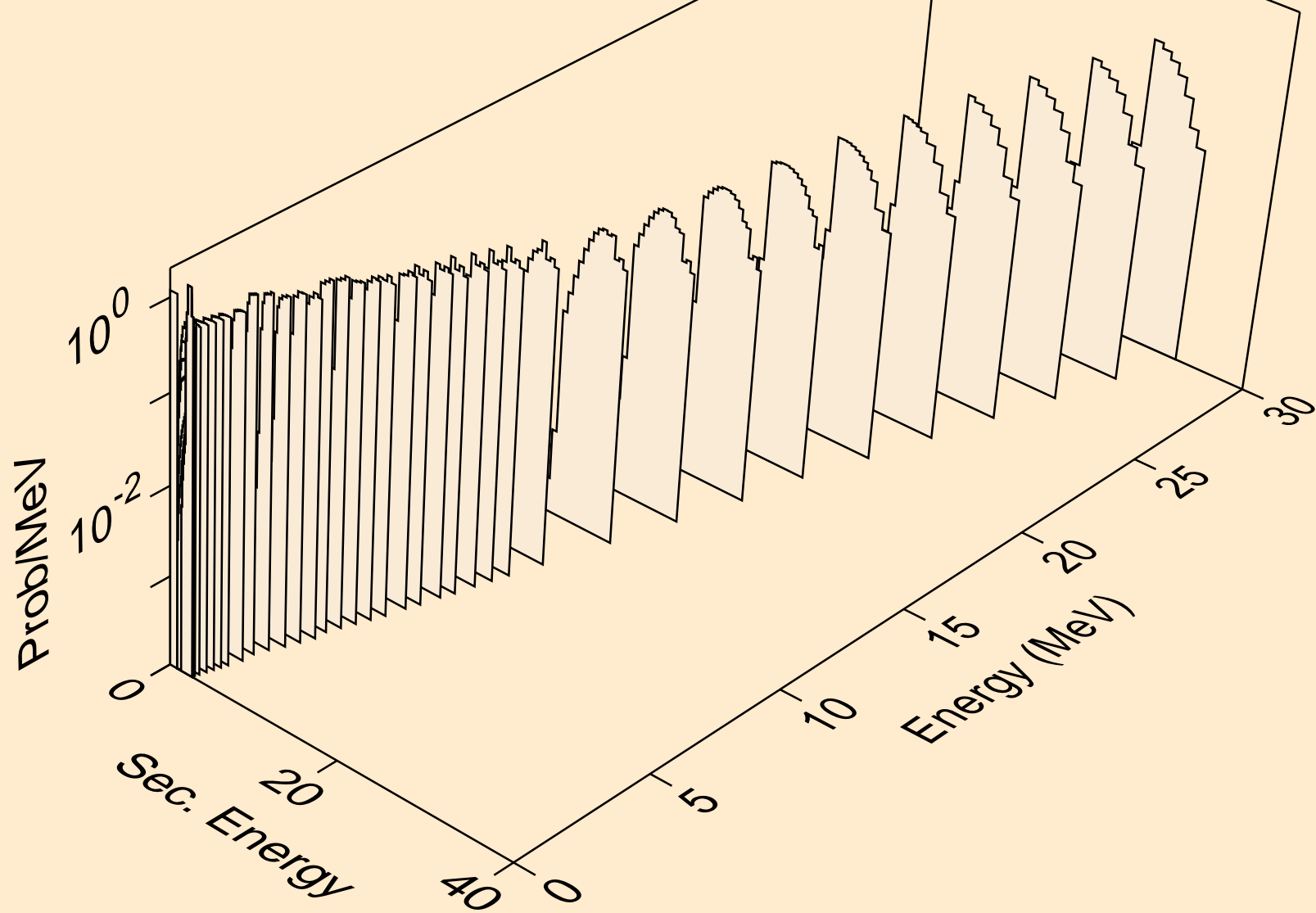
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,n2p)



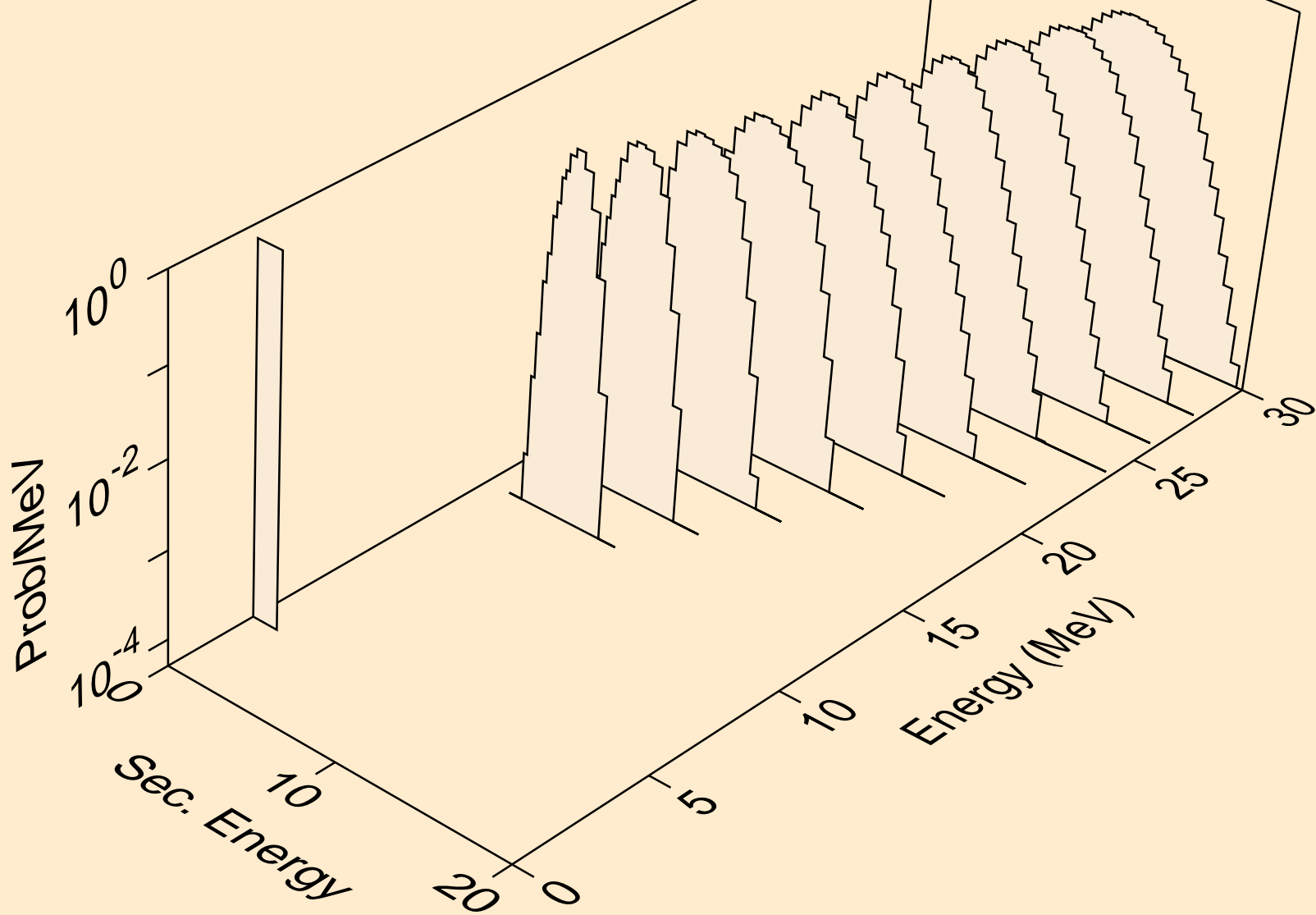
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,npa)



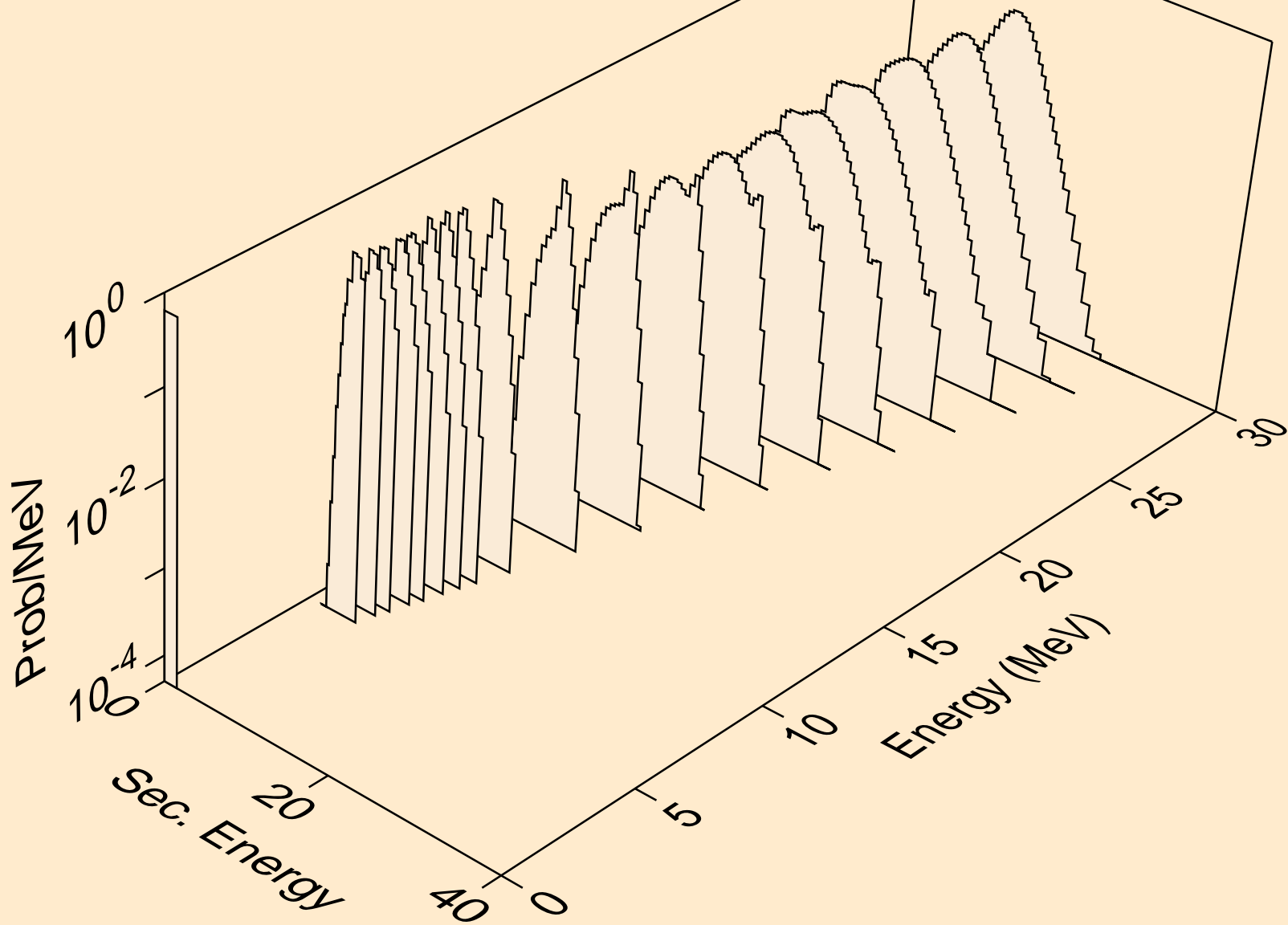
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,p)



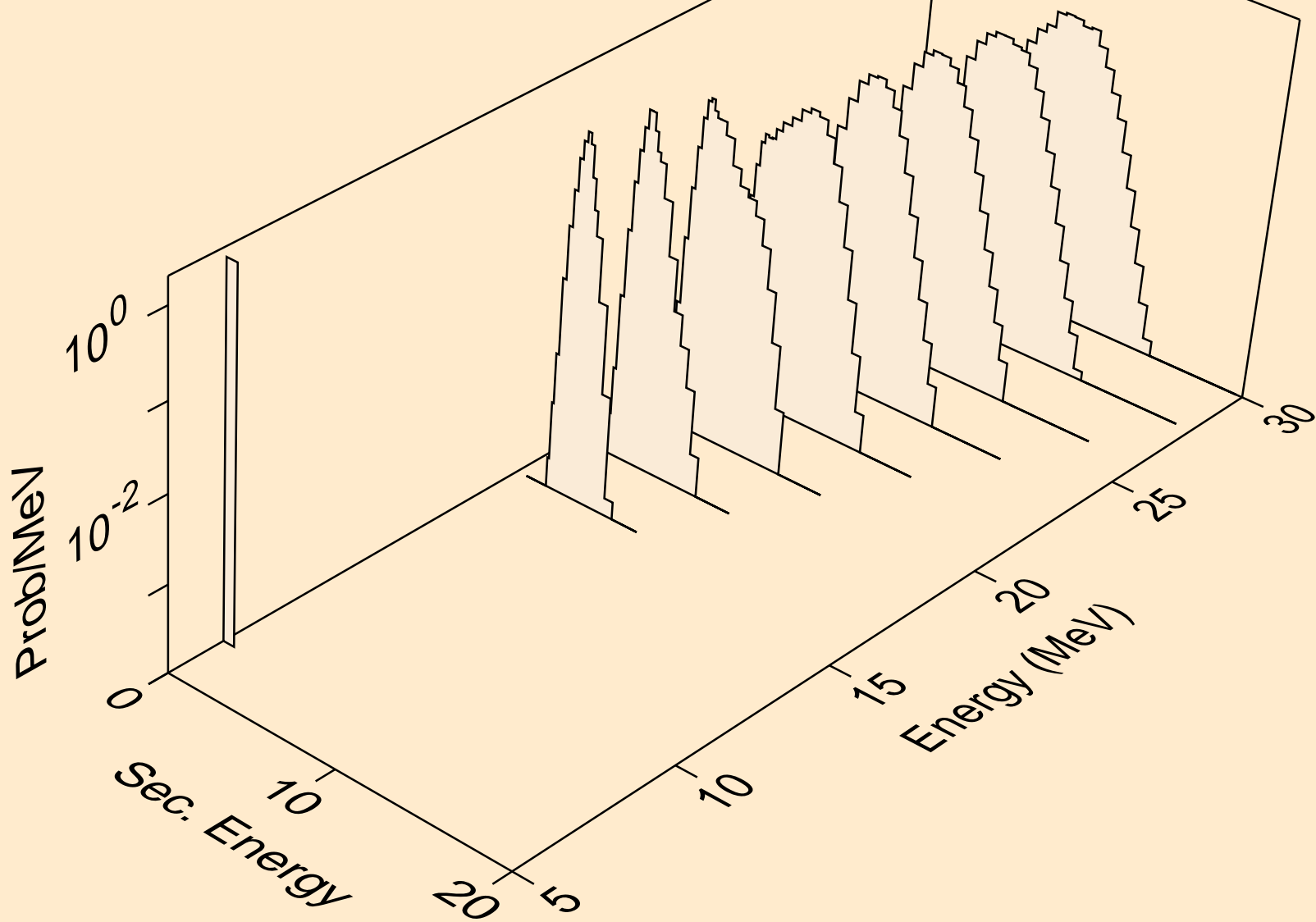
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,2p)



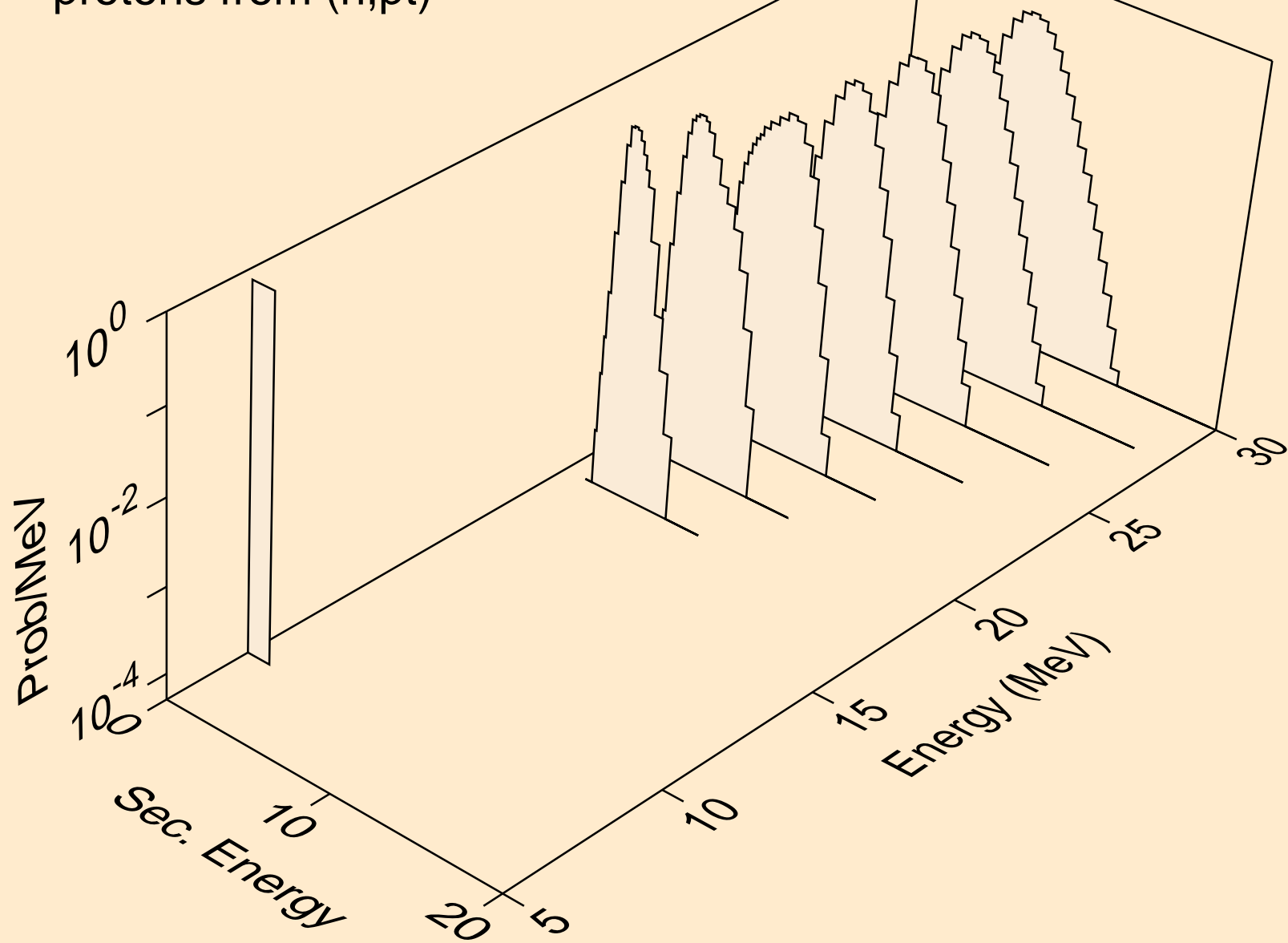
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
protons from (n,p)



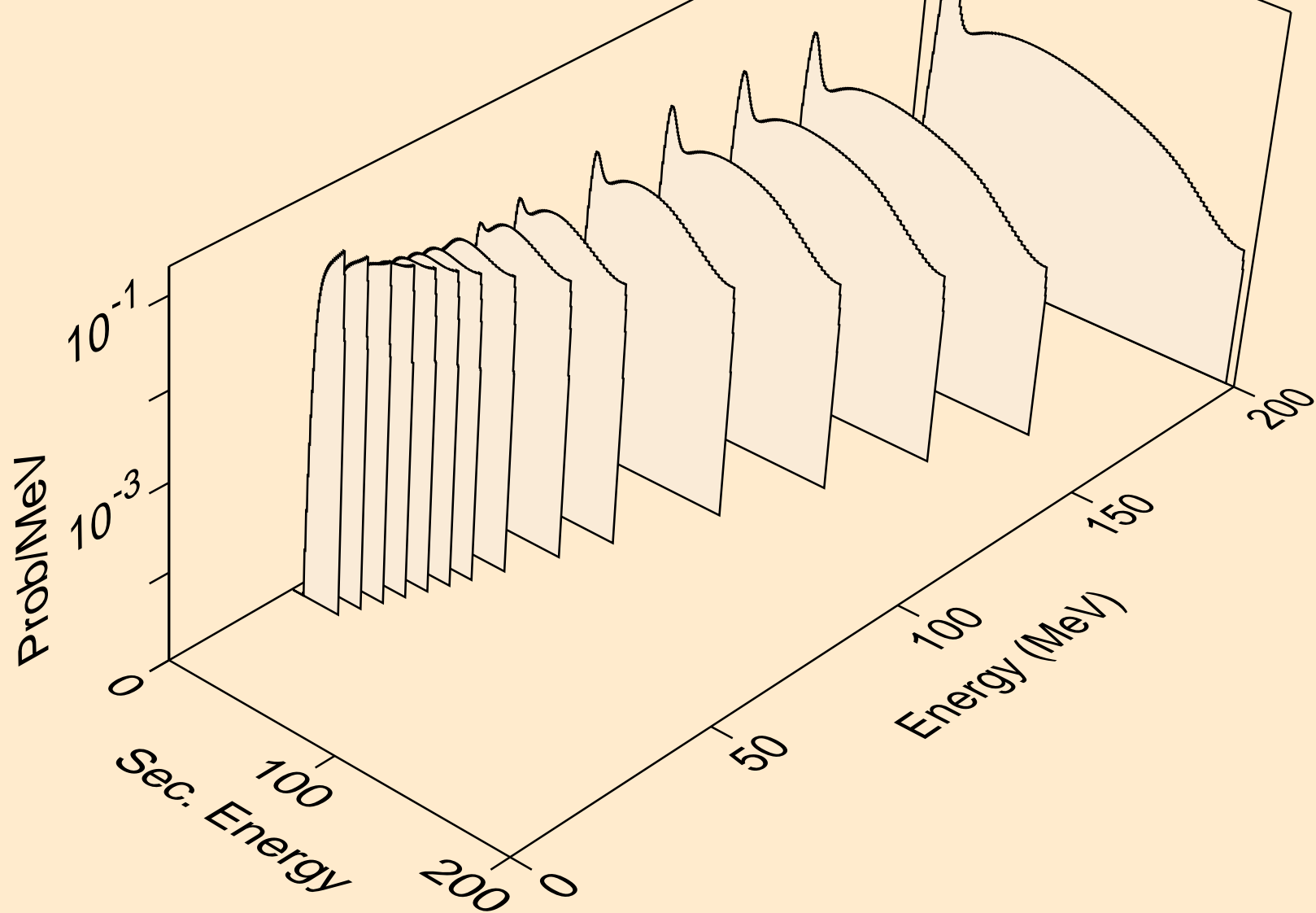
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protons from (n,pd)



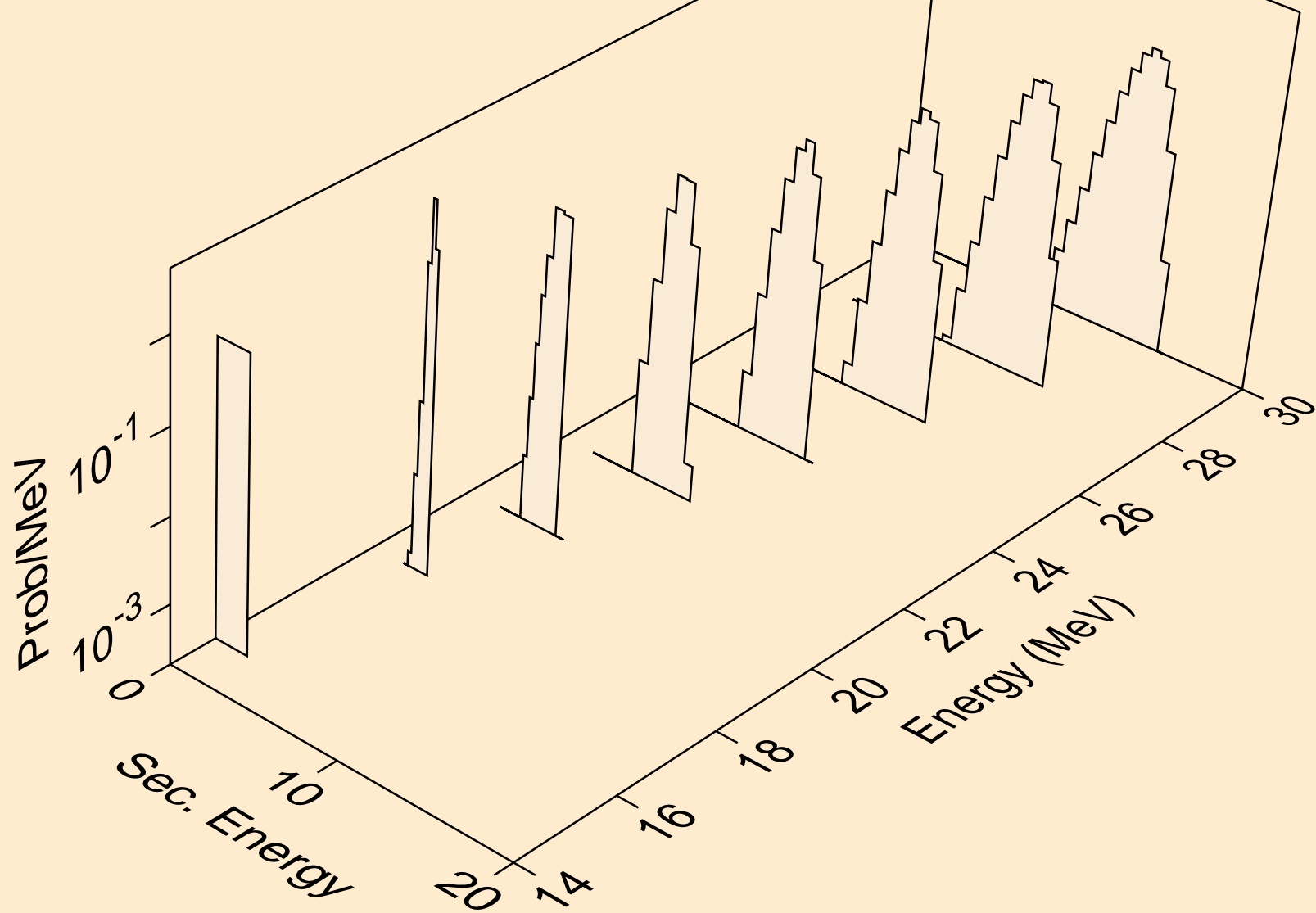
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protons from (n,pt)



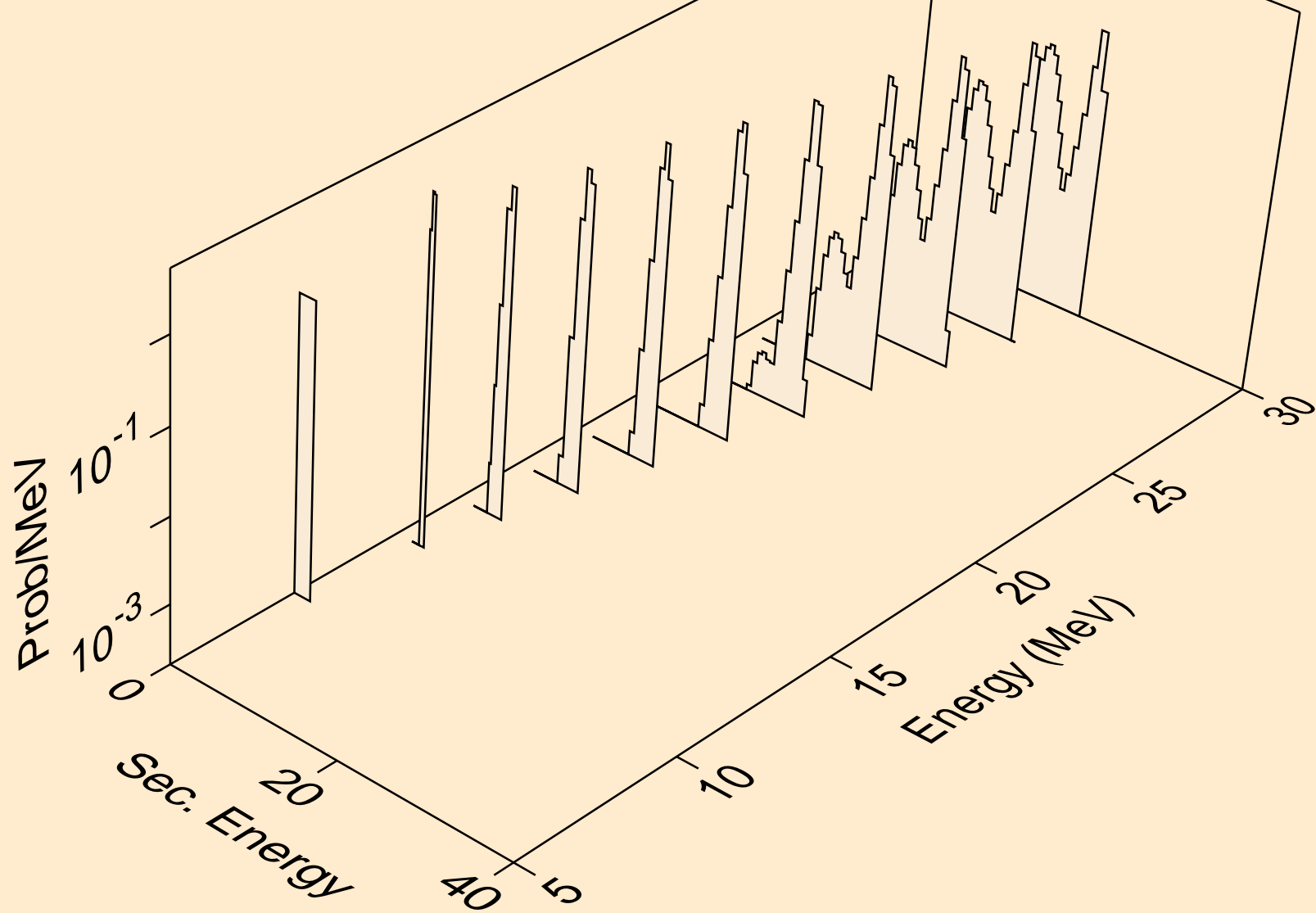
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,x)



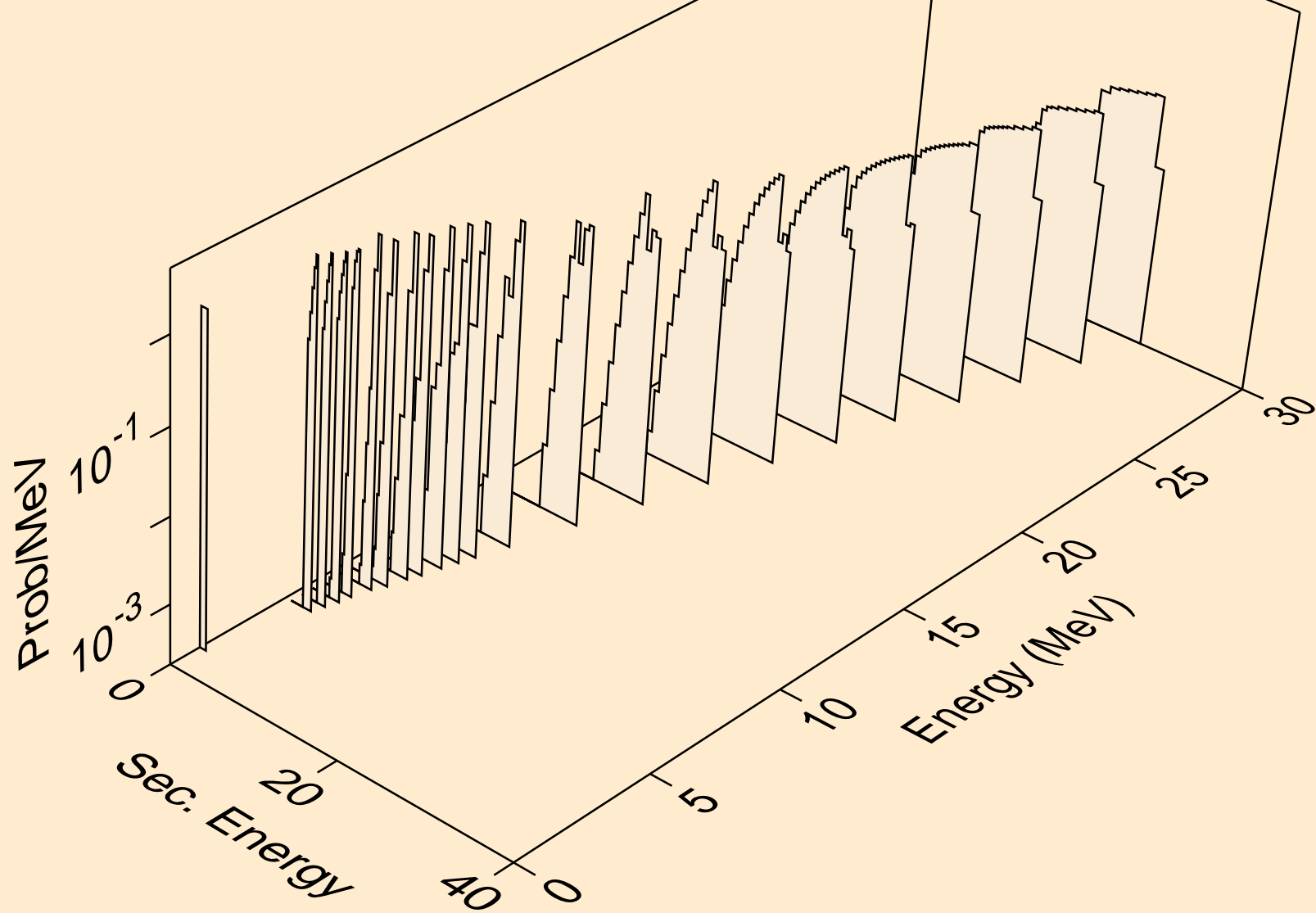
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deuterons from (n,2nd)



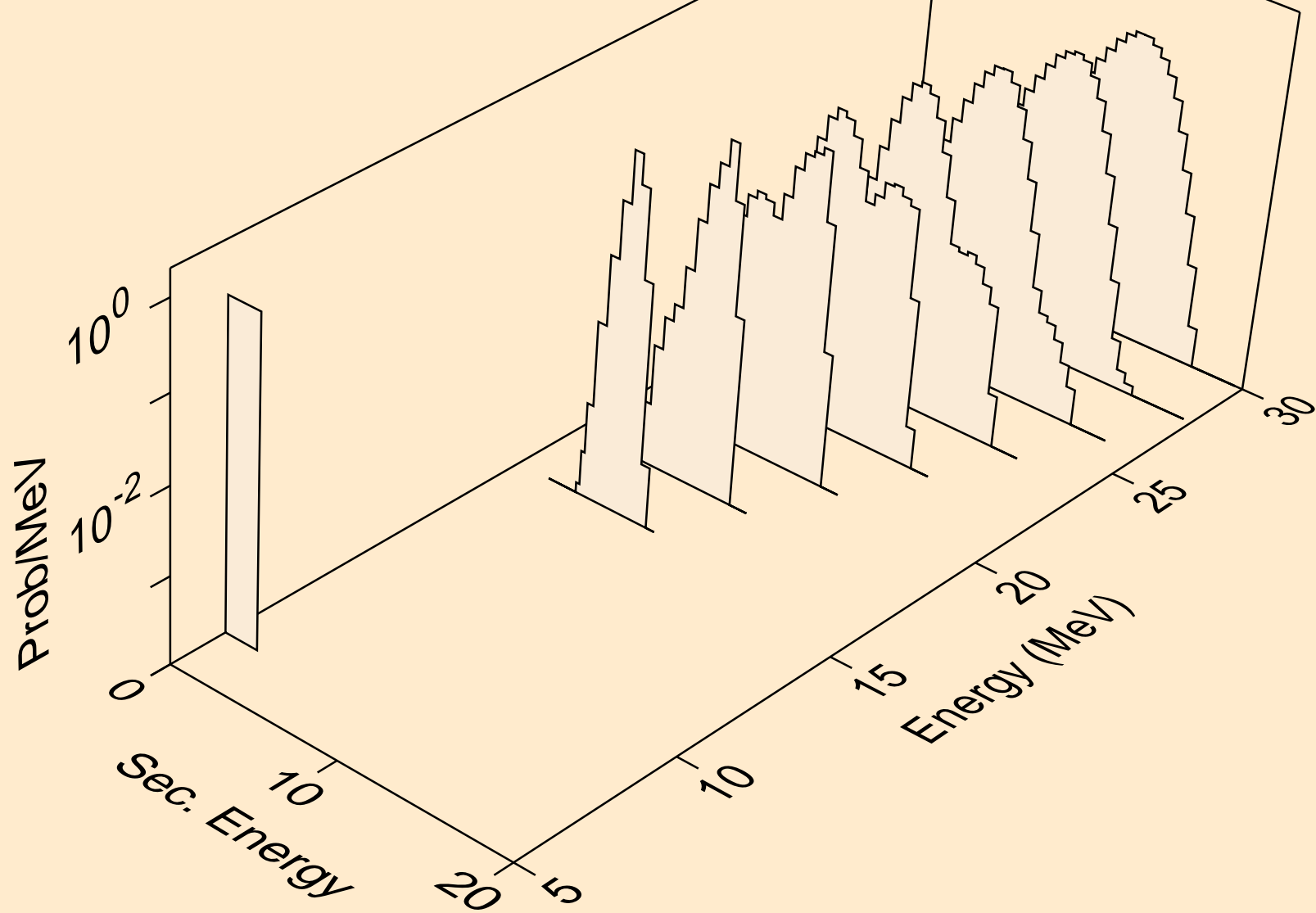
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,n*)d



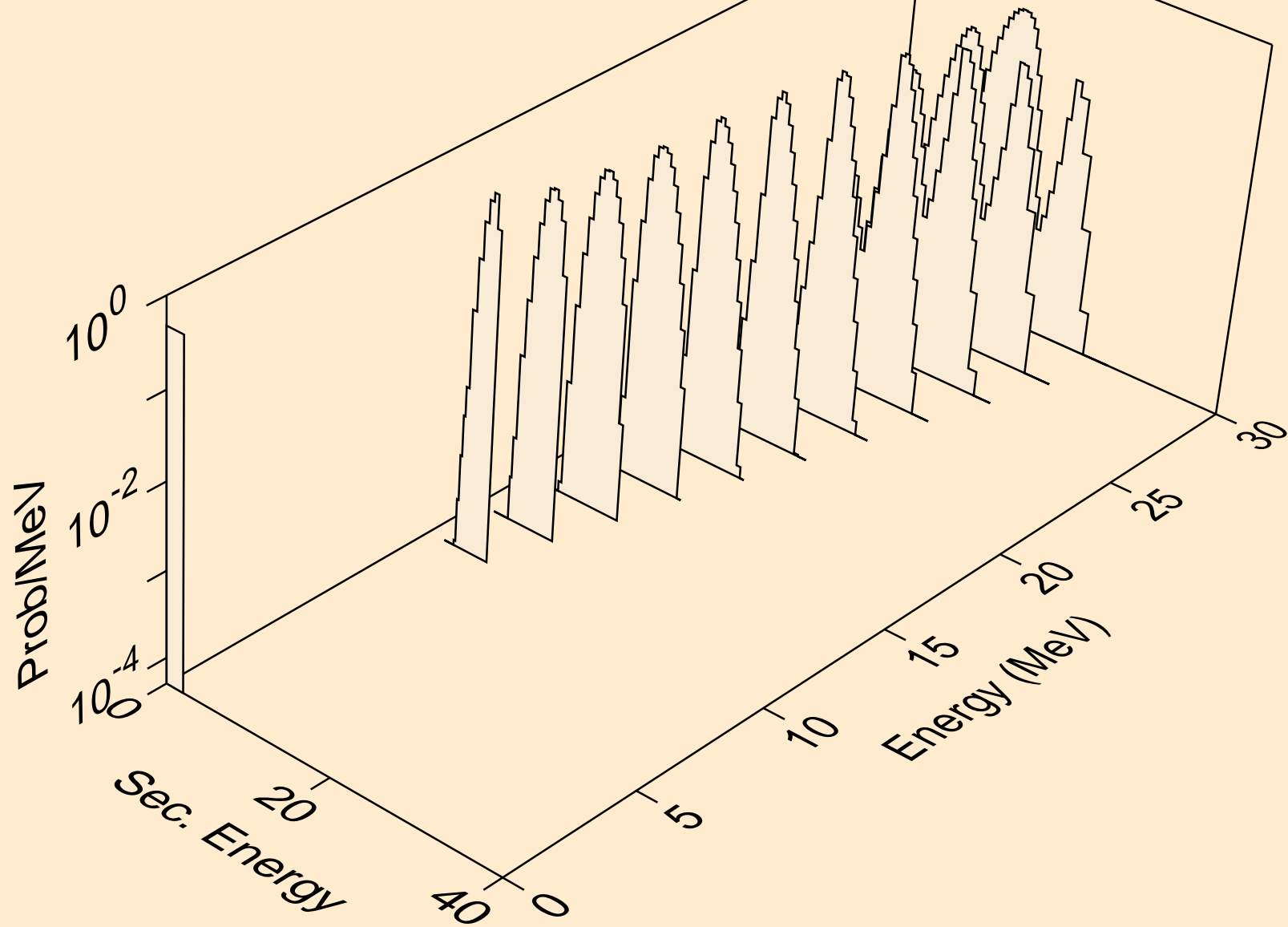
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,d)



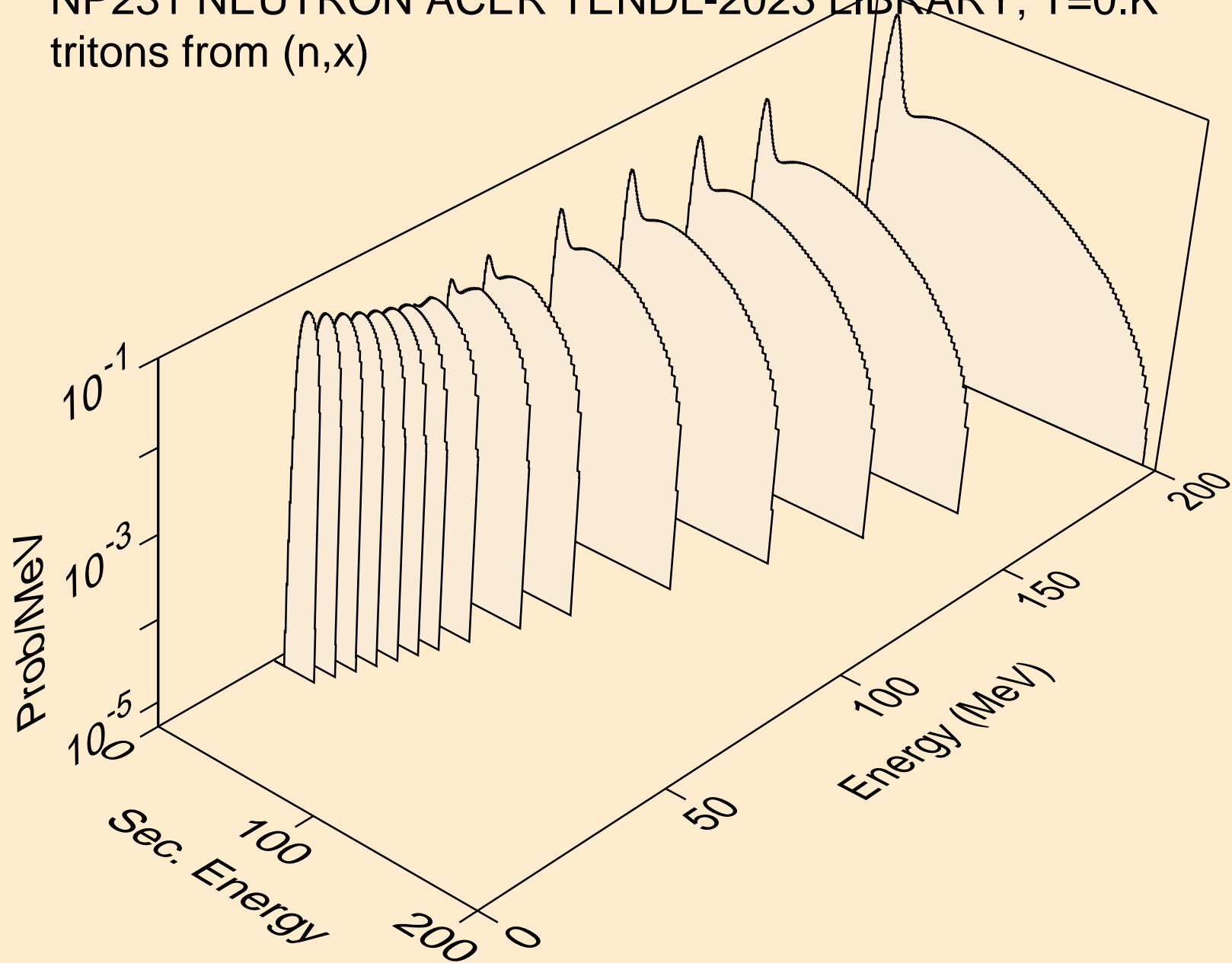
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,pd)



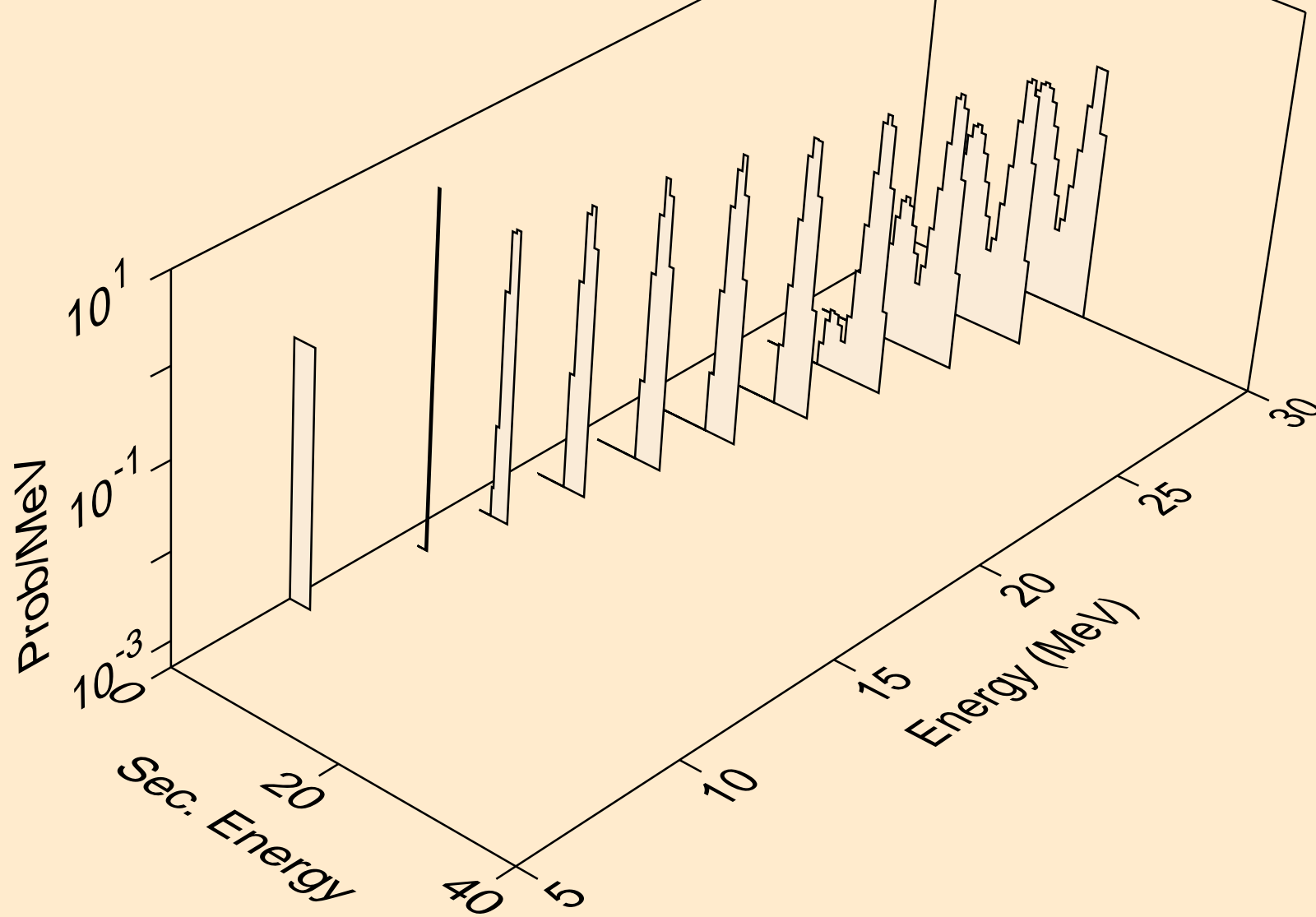
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (n,da)



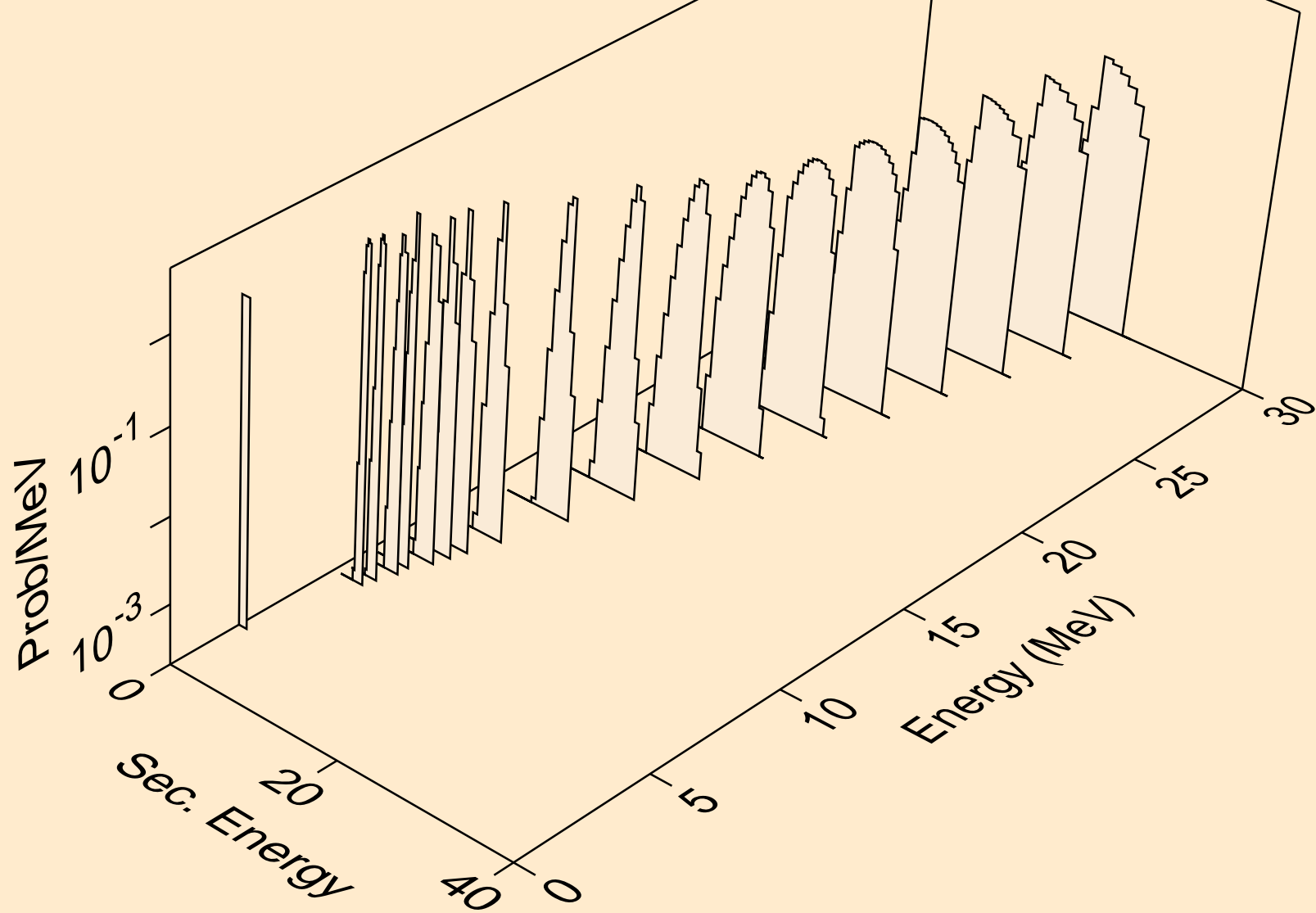
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,x)



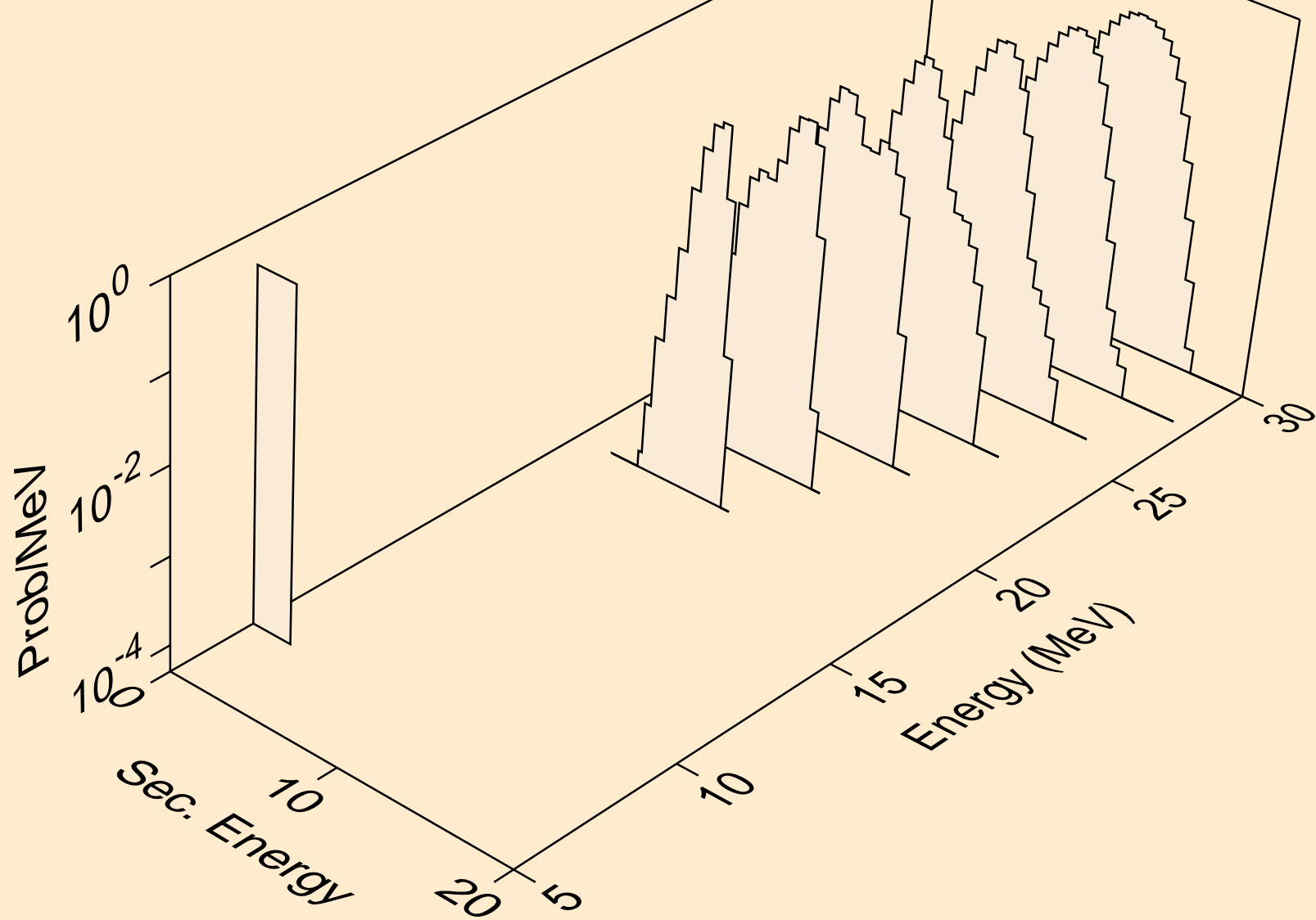
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
tritons from (n,n*)t



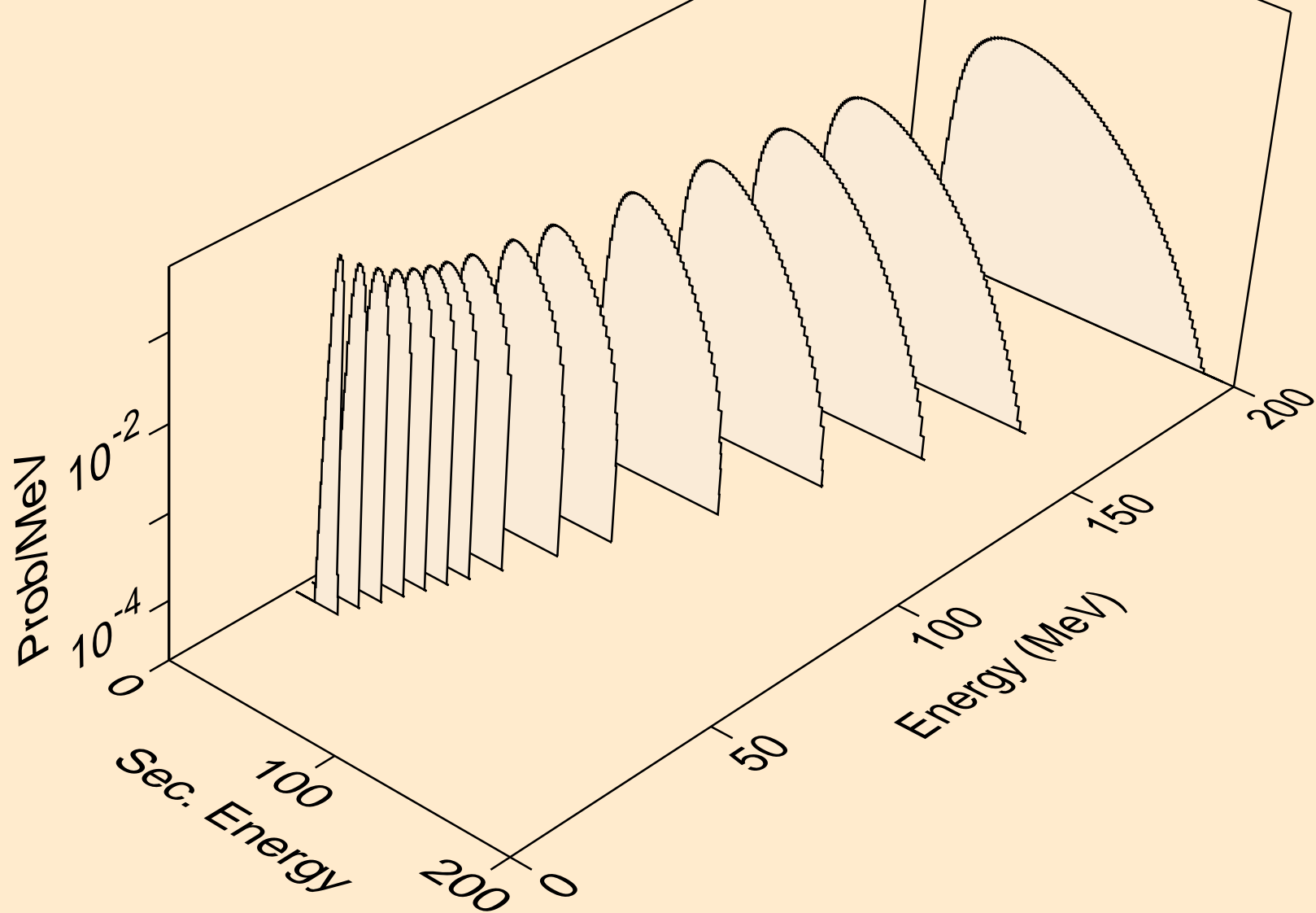
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tritons from (n,t)



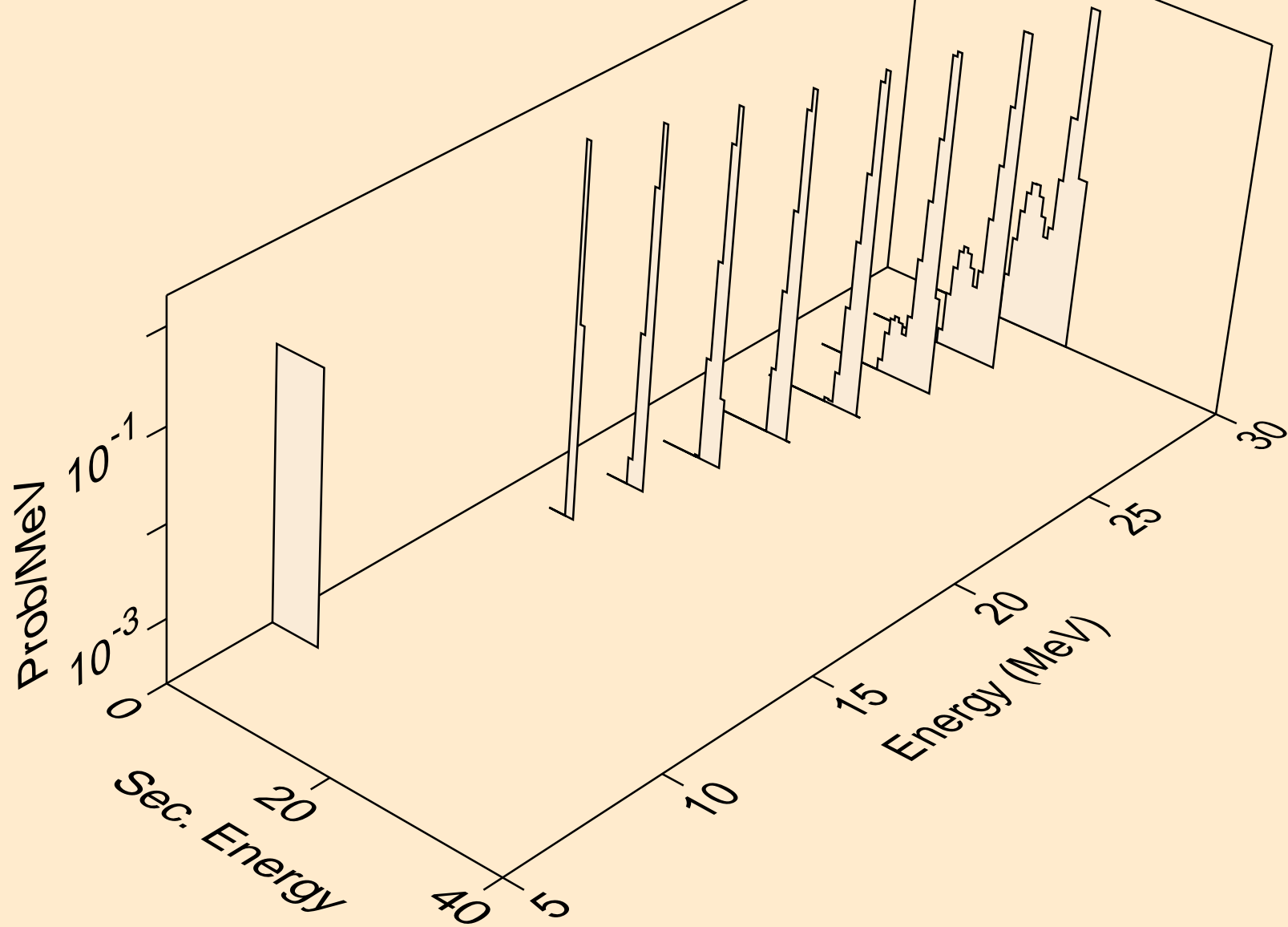
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tritons from (n,pt)



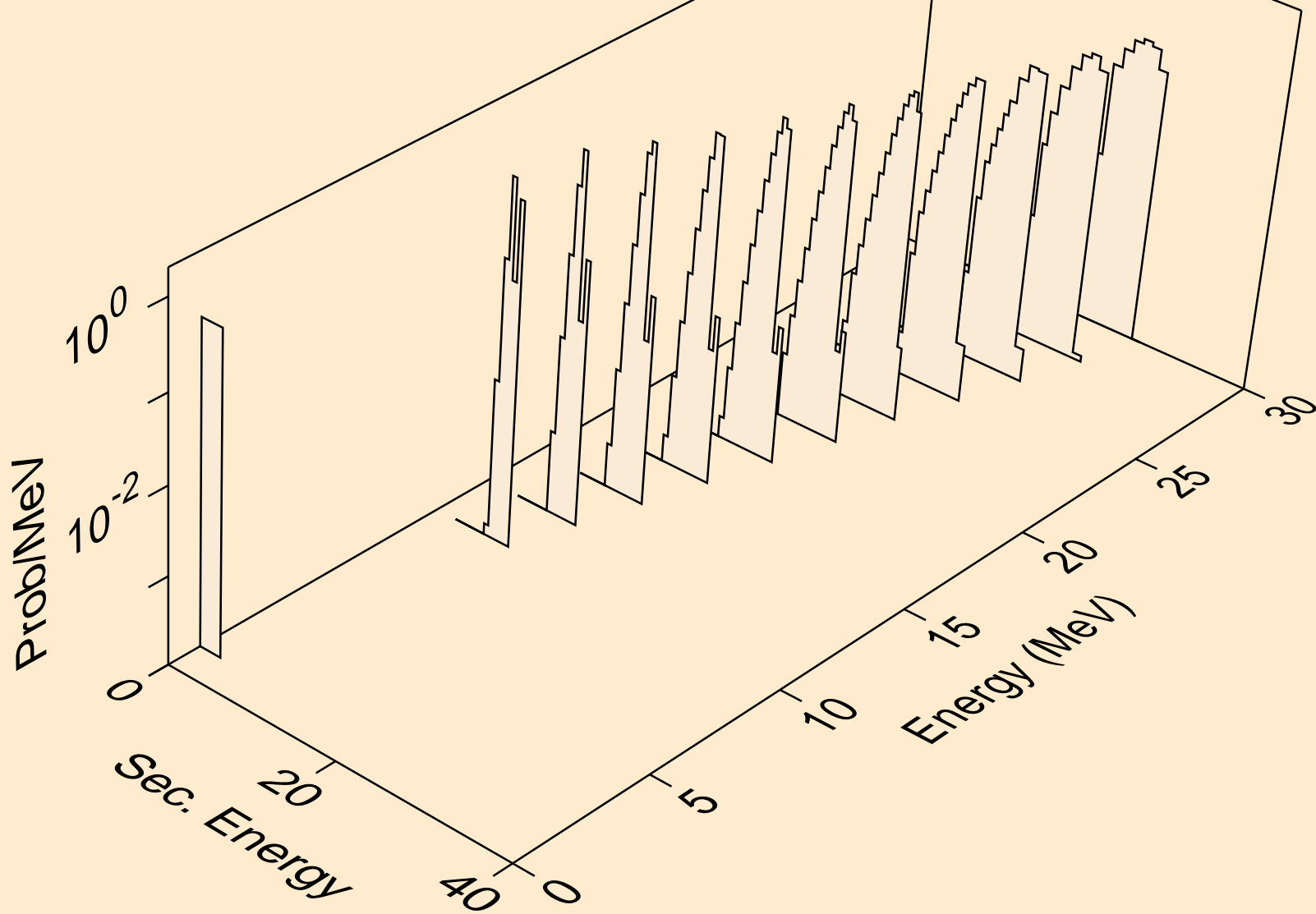
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,x)



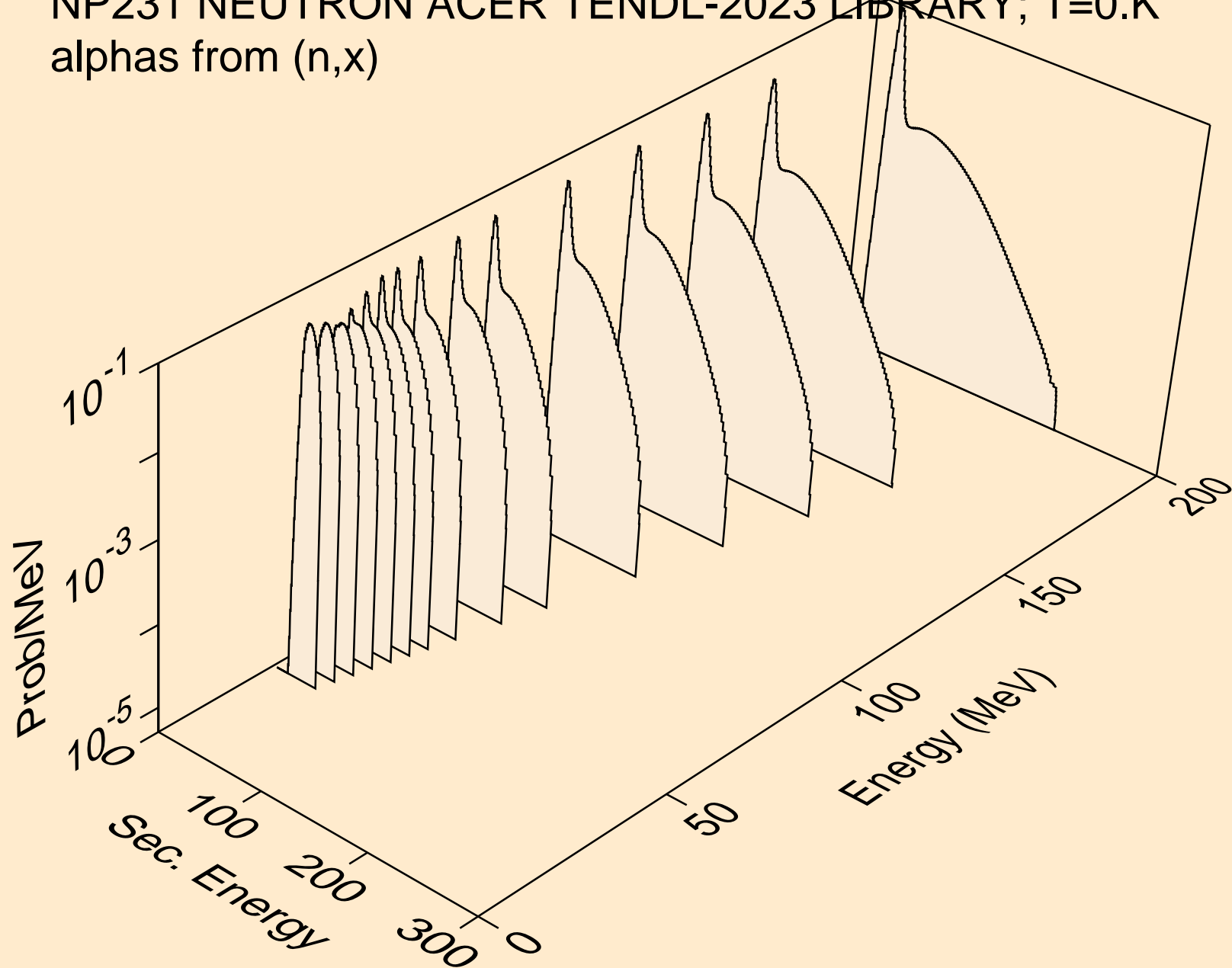
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
he3s from (n,n*)he3



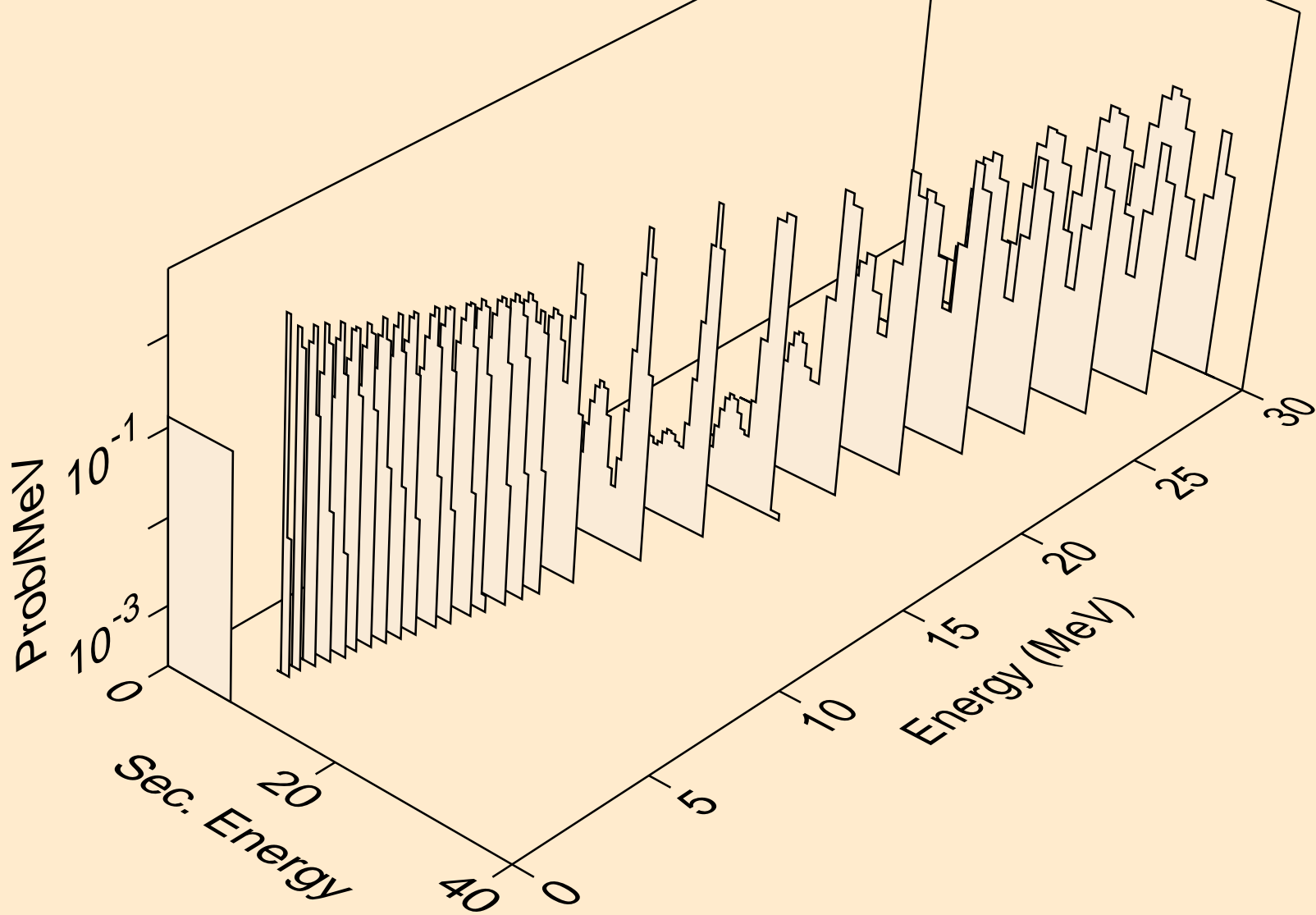
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he3s from (n,he3)



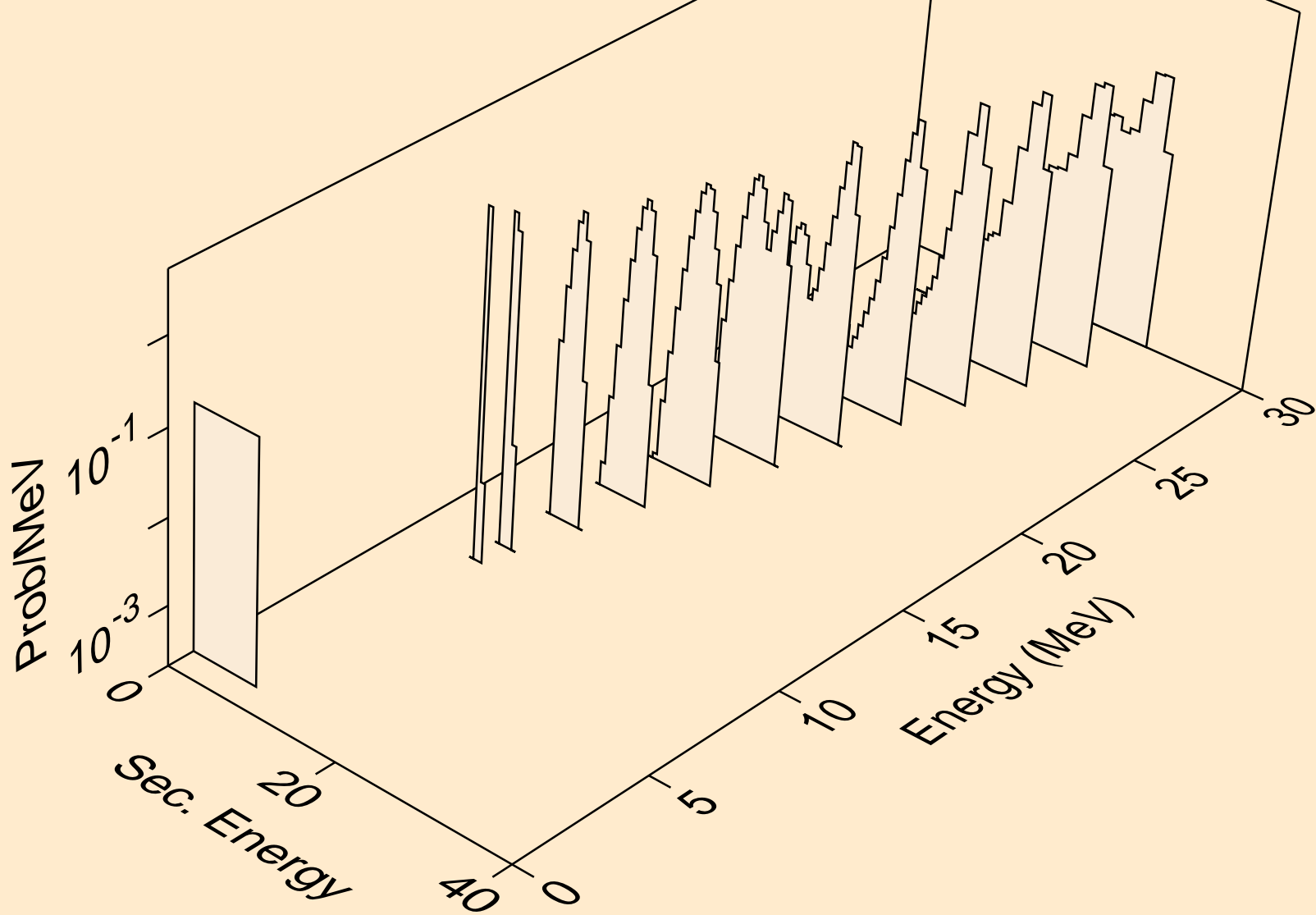
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,x)



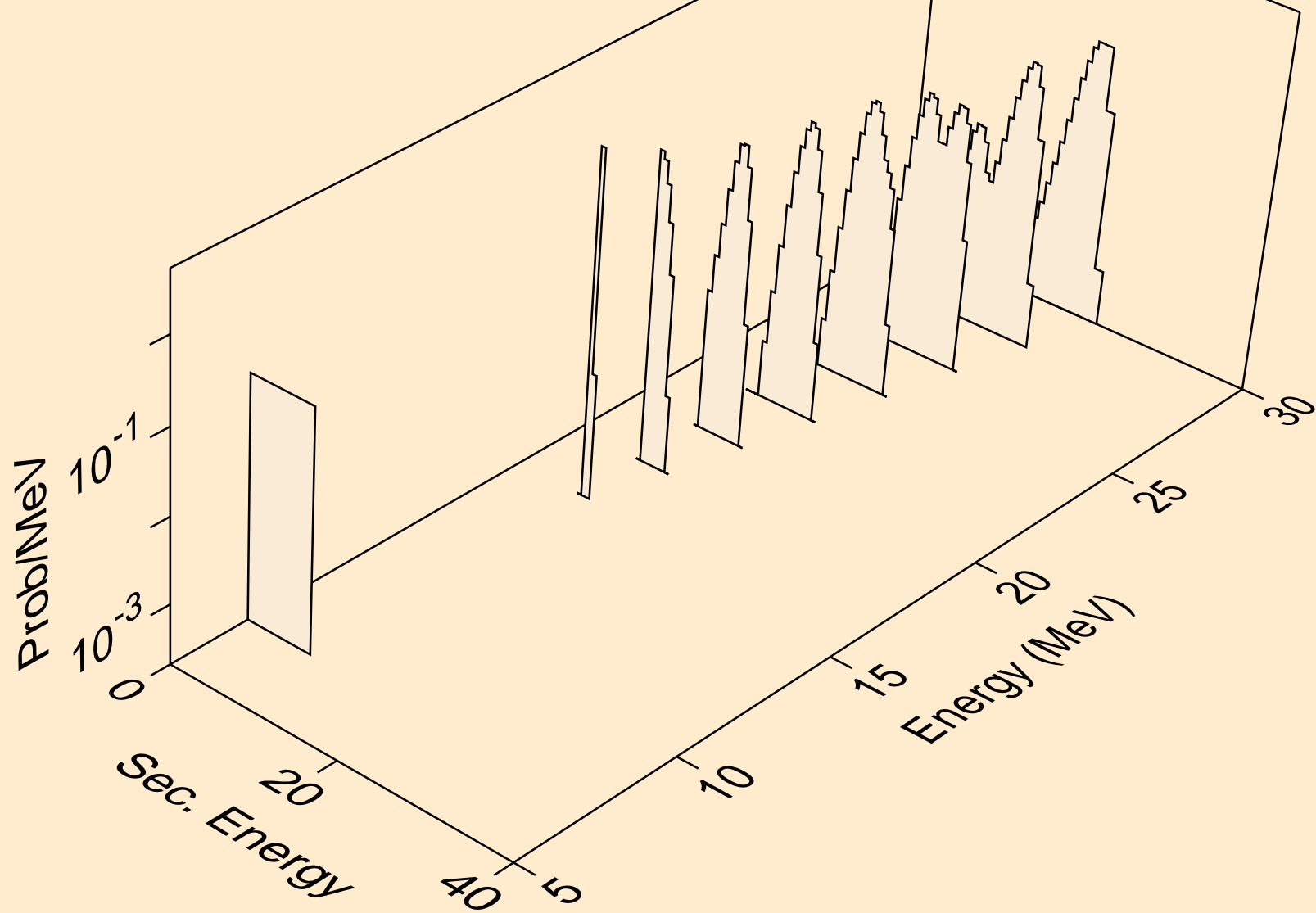
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)a



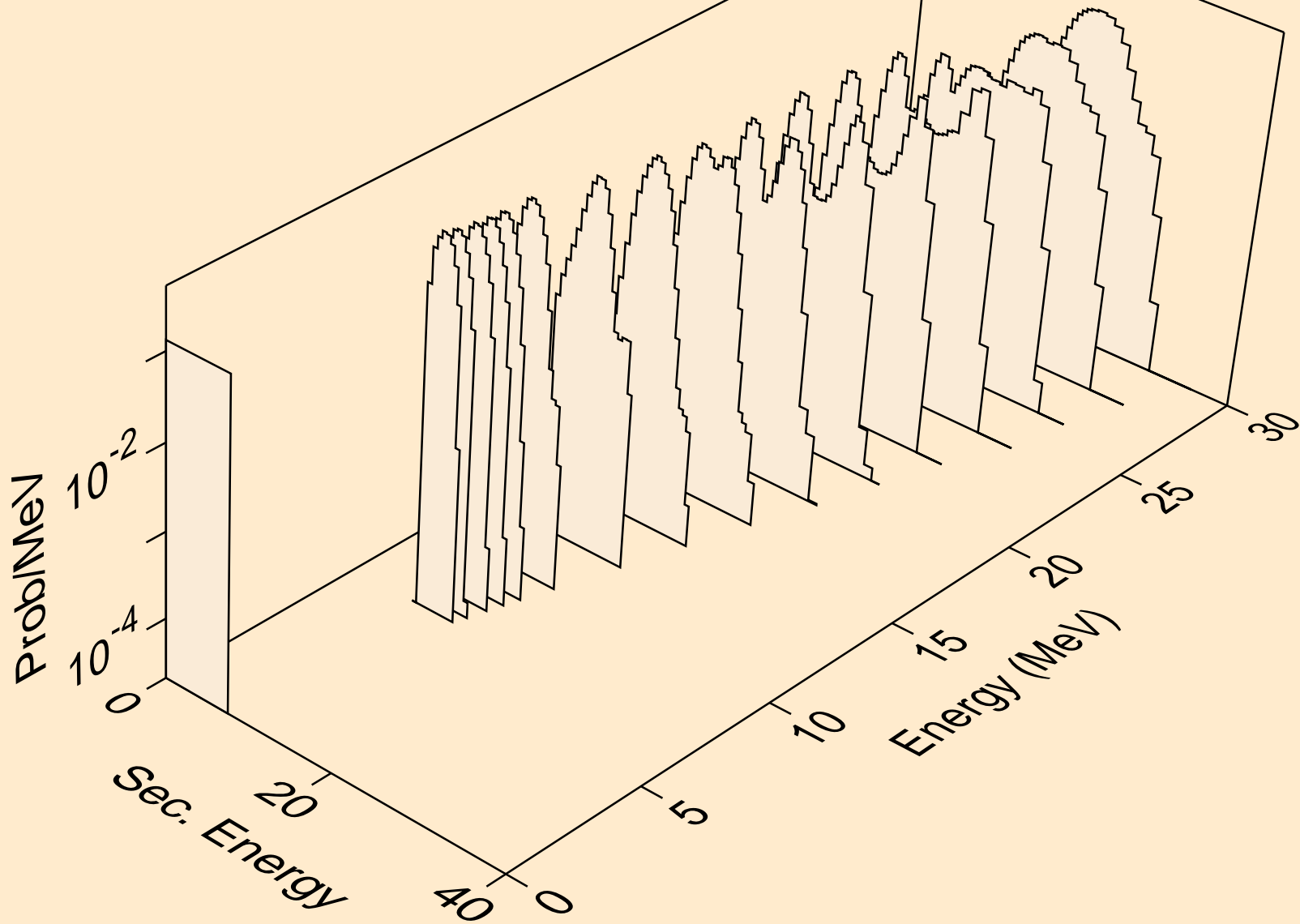
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alphas from (n,2n)a



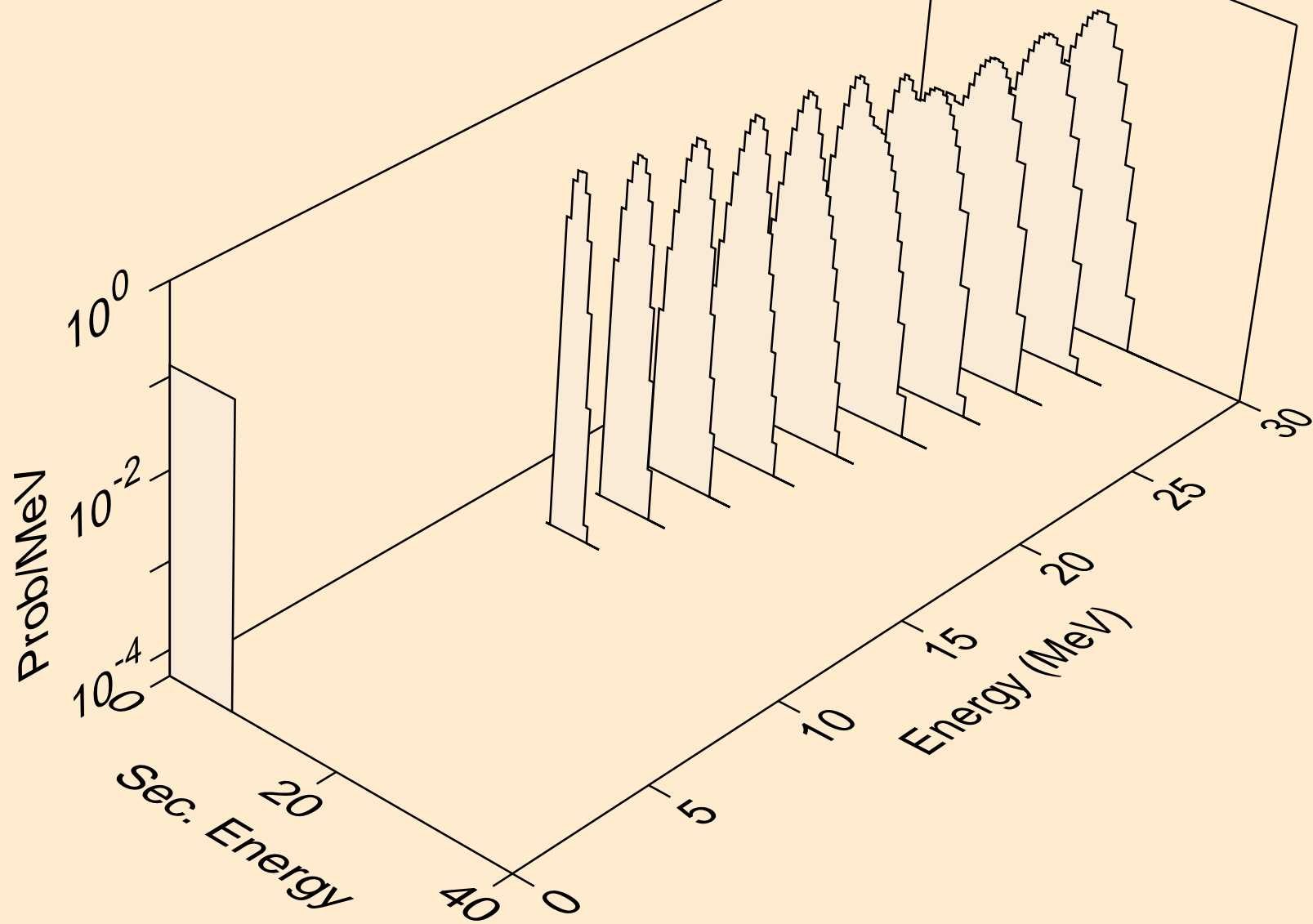
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,3n)a



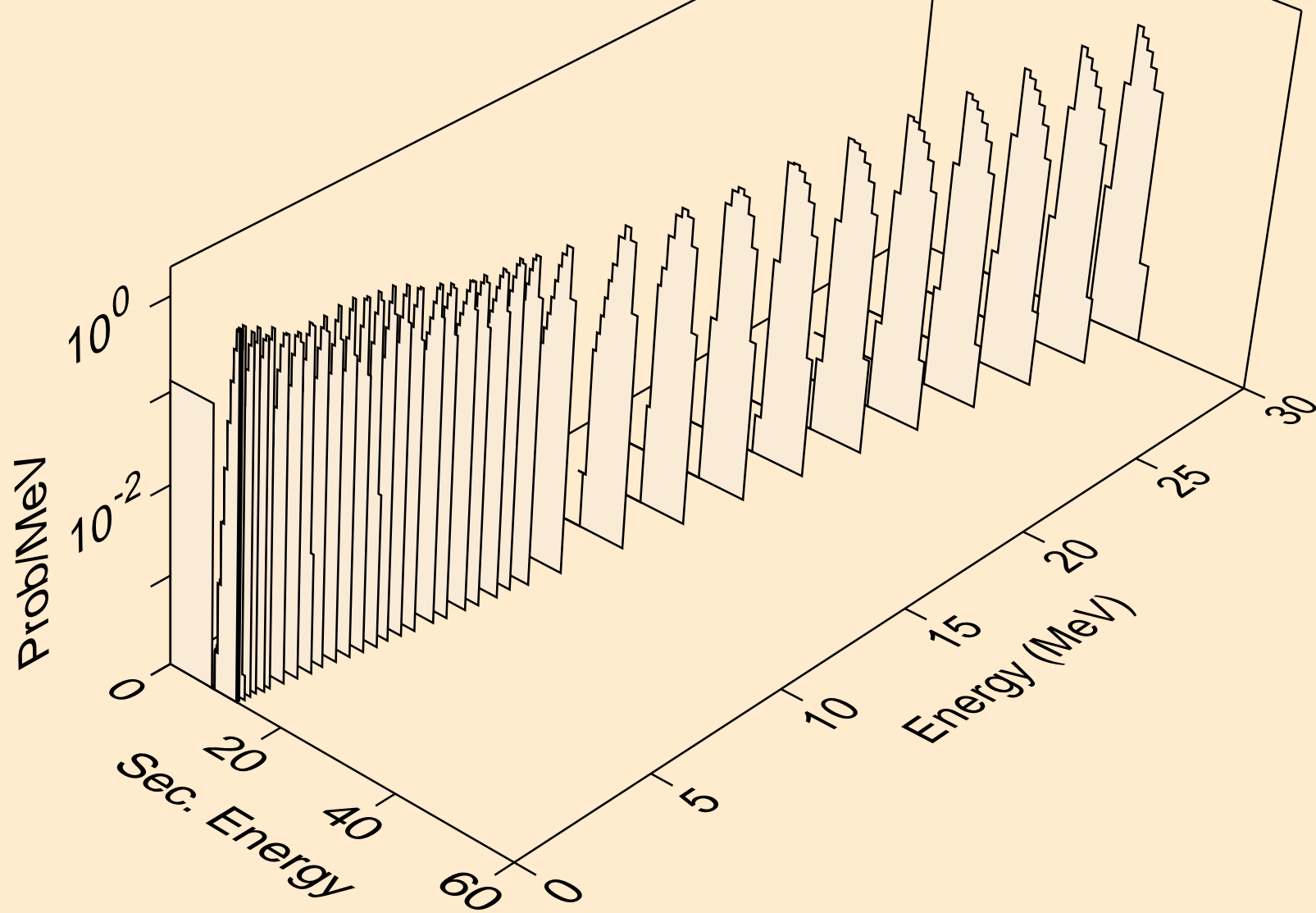
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,n*)2a



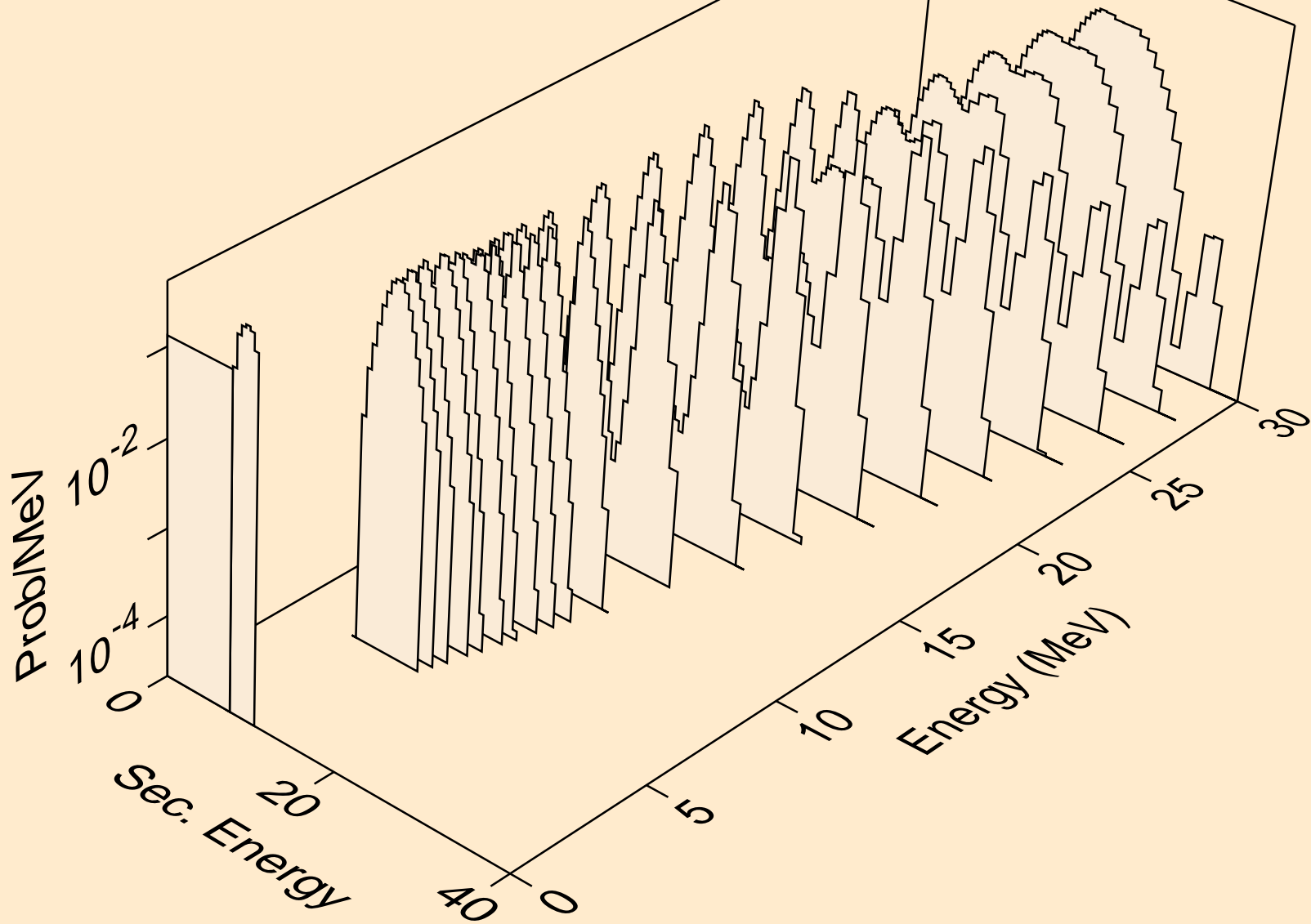
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,npa)



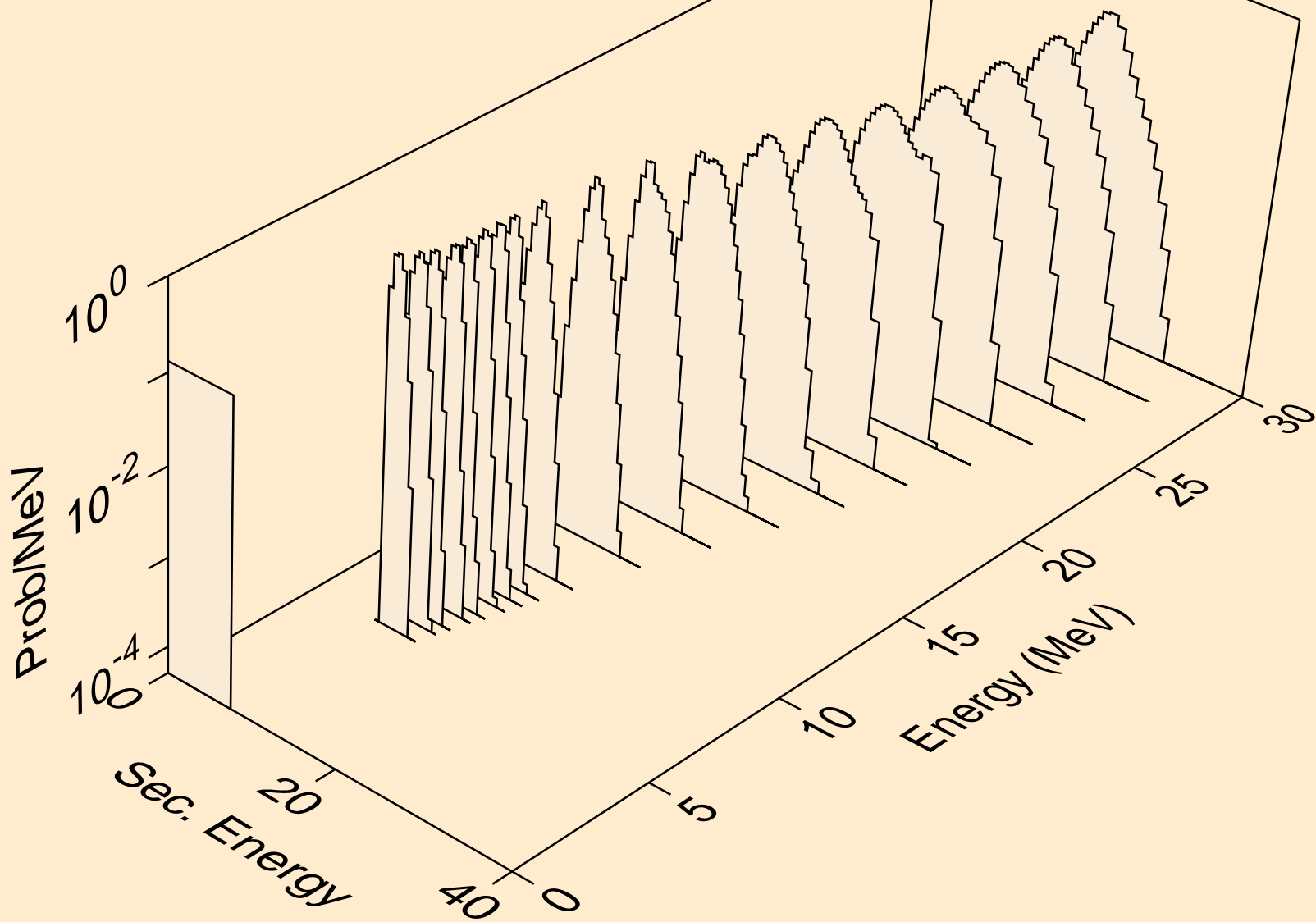
NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,a)



NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,2a)



NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,pa)



NP231 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K
alphas from (n,da)

